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THE MARINE FISHERIES INFORMATION SERVICE: Technical and Extension Series envisages the rapid dissemination of information on marine and brackish water fishery resources and allied data available with the National Marine Living Resources Data Centre (NMLRDC) and the Research Divisions of the Institute, results of proven researches for transfer of technology to the fish farmers and industry and of other relevant information needed for Research and Development efforts in the marine fisheries sector.

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Front cover photo:

A view of the fisheries harbour at Cochin, the second major landing centre in Kerala for mechanised fishing vessels.

Back cover photo:

A view of the harboured boats at Sakthikulangara, the largest landing centre in Kerala for mechanised fishing boats.

MARINE FISH PRODUCTION IN INDIA — 1983-'84 AND 1984-'85*

ANNUAL PRODUCTION OF MARINE FISH — 1983-'84

The total estimated catch of exploited marine fishery resources during the year 1983-'84 along the coasts of India including the Union Territories of Andamans and Lakshadweep was 1.58 million tonnes as compared to 1.42 million tonnes in 1982-'83 showing an increase of about 12%.

Tables 1 (a) and 1 (b) show the exploited marine fishery resources of various species of fishes, prawns, lobsters and cephalopods along the Indian coasts during the years 1983-'84 and 1982-'83 considered separately as pelagic and demersal.

Table 1 (a) (figures in tonnes)

Sl. No.	Pelagic fishes	1983-'84	1982-'83
1	2	3	4
1.	Clupeids		
a)	Wolf herring	16,635	14,855
b)	Oil sardine	1,80,081	2,01,625
c)	Other sardines	76,841	59,407
d)	Hilsa shad	4,023	3,317
e)	Other shads	21,256	13,297
f)	Anchovies		
	<i>Coilia</i>	18,090	15,112
	<i>Setipinna</i>	3,382	1,784
	<i>Stolephorus</i>	89,802	40,673
	<i>Thryssa</i>	17,887	20,506
g)	Other clupeids	35,208	26,493
2.	Bombay duck	95,441	90,422
3.	Half beaks & Full beaks	2,603	2,628
4.	Flying fish	1,483	1,832
5.	Ribbon fishes	39,488	47,597
6.	Carangids		
a)	Horse mackerel	3,093	2,257
b)	Scads	9,160	9,061
c)	Leather-jackets	9,577	6,406
d)	Other carangids	29,099	27,288
7.	Mackerels		
a)	Indian mackerel	33,516	24,962
b)	Other mackerel	89	7

* Prepared by Fishery Resources Assessment Division, C.M.F.R.I., Cochin.

1	2	3	4
8.	Seer fishes		
a)	<i>S. commerson</i>	13,433	19,799
b)	<i>S. guttatus</i>	21,900	13,627
c)	<i>S. lineolatus</i>	286	176
d)	<i>Acanthocybium</i> spp.	201	9
9.	Tunnies		
a)	<i>E. affinis</i>	11,079	10,821
b)	<i>Auxis</i> spp.	2,596	1,953
c)	<i>K. pelamis</i>	2,651	2,139
d)	<i>T. tonggol</i>	11	11
e)	Other tunnies	2,692	4,491
10.	Bill fishes	758	2,114
11.	Barracudas	3,598	3,047
12.	Mulletts	3,408	2,565
13.	Unicorn cod	452	64
14.	Miscellaneous	30,158	28,067
TOTAL		7,79,977	6,98,412

Table 1 (b) (figures in tonnes)

Sl. No.	Demersal fishes	1983-'84	1982-'83
1	2	3	4
1.	Elasmobranchs		
a)	Sharks	39,019	39,367
b)	Skates	4,066	3,779
c)	Rays	27,802	21,956
2.	Eels	7,707	8,132
3.	Cat fishes	64,365	60,840
4.	Lizard fishes	15,613	12,982
5.	Perches		
a)	Rock cods	2,635	2,511
b)	Snappers	3,793	2,202
c)	Pig-face brems	2,201	2,686
d)	Threadfin brems	27,447	25,864
e)	Other perches	20,426	16,763
6.	Goat fishes	5,646	5,931
7.	Threadfins	7,412	6,574
8.	Croakers	1,08,572	82,170
9.	Silver bellies	87,772	70,122
10.	Big-jawed jumper	19,432	14,285

1	2	3	4
11. Pomfrets			
a) Black pomfret	16,524		12,878
b) Silver pomfret	40,605		35,654
c) Chinese pomfret	260		349
12. Flat fishes			
a) Halibut	1,718		1,384
b) Flounders	289		97
c) Soles	25,653		23,579
13. Crustaceans			
a) Penaeid prawns	1,16,619		1,17,467
b) Non-penaeid prawns	50,633		56,094
c) Lobsters	2,253		1,389
d) Crabs	26,461		21,000
e) Stomatopods	28,678		24,930
14. Cephalopods	18,575		17,016
15. Miscellaneous	31,058		28,806
TOTAL	8,03,234		7,16,807

Total of pelagic and demersal groups	15,83,211	14,15,219
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Table-2 shows the total pelagic and demersal groups of exploited marine fishes and their percentages to the total catch during the years 1983-'84 and 1982-'83.

Table 2. Marine fish landings in India (figures in tonnes)

Groups	1983-'84	1982-'83
Pelagic	7,79,977 (49.3%)	6,98,412 (49.3%)
Demersal	8,03,234 (50.7%)	7,16,807 (50.7%)
TOTAL	15,83,211	14,15,219

From Table-2, it is seen that both pelagic and demersal groups maintain the same percentages to the total during the years 1983-'84 and 1982-'83. Consequently the increase in the catch of pelagic and demersal groups during the year 1983-'84 as compared to 1982-'83 is the same as that of the total exploited catch during 1983-'84 in relation to 1982-'83, the increase being 12%.

Pelagic fishes

1. Oil sardine

The estimate of the exploited resources of oil sardine along the Indian coast during 1983-'84 showed a minor decline of about 25,500 tonnes as compared to 1982-'83, the respective figures being 1.80 and 2.02 lakh

tonnes. This was due to reduced landings in the coastal belt comprising Kerala, Karnataka, Goa and south Maharashtra, the catches in the belt for the two years respectively being 1.78 and 2.00 lakh tonnes. During 1983-'84, Kerala and Karnataka coasts contributed 83.15 and 13.28% of the total oil sardine landings in the belt, the shares of Goa and south Maharashtra being 2.00 and 0.49% respectively. Tamil Nadu and Pondicherry on the east coast of India also exploited oil sardine to the tune of 0.66 and 0.41% of the total catch.

2. Other sardines

An increase of 29.35% was noticed in the catch of other sardines during 1983-'84 as compared to 1982-'83, the corresponding two figures being 0.77 and 0.59 lakh tonnes respectively. Unlike oil sardine, the other sardines are exploited by all the maritime states of India. Tamil Nadu, on the east coast of India, catches the maximum, its share in the all India landings being 44.74%. The other states which contribute substantially in the order of abundance are Andhra Pradesh (27.86%), Karnataka (9.05%), Orissa (6.36%), Kerala (6.09%) and Pondicherry (3.52%).

3. Bombay duck

During 1983-'84, the estimate of the exploited bombay duck resources along the Indian coast was about 0.95 lakh tonnes as compared to 0.90 lakh tonnes in 1982-'83, showing a minor increase of about 5,000 tonnes. The coastal belt of Maharashtra and Gujarat contributed the bulk of the catch, the individual share of the two maritime states being, 52.23% for Gujarat and 41.48% for Maharashtra. West Bengal, Orissa and Andhra Pradesh on the east coast of India also exploit Bombay duck on a limited scale.

4. *Stolephorus*

The catch of *Stolephorus* during the year 1983-'84 more than doubled as compared to 1982-'83, the two sets of estimates being 0.90 and 0.41 lakh tonnes respectively. Barring Gujarat and Lakshadweep coasts, *Stolephorus* was exploited along the rest of the Indian coast. An estimated 62.47% of the total *Stolephorus* catch was recorded in the coast of Kerala. The coasts of Karnataka (12.81%), Tamil Nadu (11.39%) and Andhra Pradesh (10.18%) were the other major regions where comparatively good catch was recorded.

5. Ribbon fishes

The catch of ribbon fishes in the year 1983-'84 showed a decline of about 8,100 tonnes (17.03%) as

compared to the last year, the corresponding estimated figures being 0.40 and 0.48 lakh tonnes respectively. The coasts of Maharashtra, Andhra Pradesh, Gujarat and Tamil Nadu recorded comparatively good catch, their individual share being 28.44, 21.55, 18.53 and 13.87% respectively.

6. Mackerel

An increase of about 34.27% in the exploited resource of mackerel was noticed during 1983-'84 as compared to 1982-'83, the estimated figures for the two years respectively being 0.34 and 0.25 lakh tonnes. The coastal belt comprising Kerala, Karnataka, Goa and South Maharashtra contributed about 0.16 lakh tonnes forming only 47.79%, whereas the remaining 52.21% of the catch was unusually recorded from the east coast of India including Andamans. Kerala coast accounted for 79.12% of the exploited landings of the west coast of India, the share of Karnataka being 15.43%.

Tamil Nadu contributed 45.77% of the exploited catch of the east coast of India, the share of the coasts of Andhra Pradesh, Orissa and Pondicherry in the order of abundance being 38.44, 9.17 and 4.65% respectively.

By and large, oil sardine, other sardines, Bombay duck, *Stolephorus*, ribbon fishes and mackerel together contributed to 66.06% of the total pelagic catch during 1983-'84, the share of which to the total exploited marine fish catch along the Indian coast being 49.30%.

Demersal fishes

Among demersal fishes, penaeid prawns formed the major catch (1.17 lakh tonnes) accounting for 14.52% of the total demersal catch of the Indian coasts during 1983-'84. Other important exploited fisheries in this category in the order of abundance were: croakers (1.09 lakh t, 13.52%), silver bellies (0.88 lakh t, 10.93%), elasmobranchs (0.71 lakh t, 8.82%), cat fishes (0.65 lakh t, 8.01%), pomfrets (0.57 lakh t, 7.15%) and perches (0.57 lakh t, 6.95%). All the fishes and prawns referred above constituted about 70% of the total demersal catch.

1. Penaeid prawns

The penaeid prawns are exploited by all the maritime states of India except Lakshadweep. Maharashtra contributed the maximum catch forming about 31.56% of the all India catch. The other maritime states which exploited this group on a comparatively large scale were

Kerala (22.38%), Tamil Nadu (12.89%), Andhra Pradesh (10.38%), Gujarat (8.02%), Karnataka (5.96%) and Goa (5.09%).

2. Croakers

Barring Lakshadweep, the croakers are exploited along the entire coast of India. The maximum landings were recorded along the Gujarat coast constituting 28.34% of the total exploited catch of this resource along the Indian coasts. Maharashtra (17.01%), Orissa (15.27%), Tamil Nadu (11.94%), Andhra Pradesh (10.84%) and Kerala (6.84%) were the other maritime states which contributed substantially good landings.

3. Silver bellies

Tamil Nadu coast was responsible in the large scale exploitation of silver belly resource, its share in the total silver belly catch of the Indian coast during 1983-'84 being 69.36%. The landings from Kerala and Andhra coasts which came next in the order of abundance formed 10.46 and 7.82% respectively. The landings from the rest of the coast were poor.

4. Elasmobranchs

This group comprising sharks, skates and rays is exploited by all the maritime states of India. Tamil Nadu coast contributed the maximum catch, forming 26.03% of the total catch of elasmobranchs along the Indian coast. The other maritime states which substantially exploited this fishery were Maharashtra (18.63%), Gujarat (16.60%), Kerala (13.88%), and Andhra Pradesh (13.92%).

5. Cat fishes

Barring Lakshadweep, cat fishes are exploited along the entire Indian coasts. Kerala coast accounted for 25.05% of the total exploited resources of this fishery. Maharashtra (20.78%), Gujarat (16.42%), Karnataka (9.43%), Orissa (8.87%) and Tamil Nadu (8.28%) also substantially contributed to the catch of cat fishes along the coast line of India.

6. Pomfrets

Pomfret resource is exploited by all the maritime states of India except Lakshadweep. The major share of the total landings was from Maharashtra coast constituting about 41.29%. The other coasts which contributed comparatively good catches were Andhra Pradesh (17.95%), Gujarat (16.24%) and West Bengal (10.80%).

7. Perches

The entire coasts of India exploit perches throughout the year. Tamil Nadu accounted for 22.21% of the total catch of this fishery during 1983-'84. Kerala (20.93%), Andhra Pradesh (15.17%), Gujarat (13.83%) and Maharashtra (12.02%) were the other coasts where substantially good quantities of perches were landed. The landings in the rest of the coasts were comparatively poor.

Landings by mechanised and non-mechanised vessels

Estimated landings by mechanised and non-mechanised crafts are given below (figures in tonnes).

	1983-'84	1982-'83
Mechanised	9,17,654	8,90,365
Non-mechanised	6,65,557	5,24,854
TOTAL	15,83,211	14,15,219

Landings by mechanised crafts in 1983-'84 have recorded an increase of about 27,000 tonnes while the landings by non-mechanised crafts increased by 1,41,000 tonnes. Mechanised landings in 1983-'84 accounted for 58% of the total landings showing a reduction in the proportion compared to 63% in 1982-'83. However, the contribution from non-mechanised crafts in 1983-'84 accounted for 42% against 37% in 1982-'83.

Landings from different regions

Northeast coast: The total catch in the northeast coast region comprising West Bengal, Orissa, Andhra Pradesh and Andaman Nicobar Islands during 1983-'84 was estimated at 2,50,311 tonnes as compared to 1,86,222 tonnes in 1982-'83 showing an increase of about 64,000 tonnes. The landings of croakers, lesser sardines, pomfrets, *Stolephorus*, penaeid prawns, and non-penaeid prawns showed an increase of 17,300, 8,200, 7,600, 4,900, 4,800 and 4,400 tonnes respectively.

Southeast coast: The region consisting of Tamil Nadu and Pondicherry coasts recorded 2,92,128 tonnes during 1983-'84 as against 2,48,938 tonnes in 1982-'83 showing an increase of about 43,000 tonnes. While the catch of silver bellies, lesser sardines and elasmobranchs recorded higher landings by 16,300, 10,000 and 3,300 tonnes respectively, croakers and perches accounted lower landings by 3,600 and 1,400 tonnes respectively.

Southwest coast: The southwest coast region comprising Kerala, Lakshadweep, Karnataka and Goa registered 5,36,567 tonnes during 1983-'84 as compared to 5,16,095 tonnes during 1982-'83, recording an increase of about 20,472 tonnes. The catch of *Stolephorus* and croakers increased by 42,800 and 4,400 tonnes respectively. The landings of oil sardines and cat fishes, however, declined by 22,090 and 1,000 tonnes respectively.

Northwest coast: The total exploited catch in the northwest coast region showed an increase of about 34,200 tonnes in 1983-'84 as compared to 1982-'83, the respective figures being 4,98,167 and 4,63,964 tonnes. While the catch of croakers and pomfrets increased by 7,200 and 4,600 tonnes respectively, non-penaeid prawns showed a decline of about 9,500 tonnes.

ANNUAL PRODUCTION OF MARINE FISH — 1984-'85

Annual marine fish production in the country during the year 1984-'85 has been provisionally estimated at 1.62 million tonnes. Compared to the landings of 1.58 million tonnes in 1983-'84, the landings during the period under report has recorded a marginal increase of about 2%.

Among the commercially important varieties of fish, oil sardine accounted for 10.2% of the whole landings in 1984-'85 against 11.4% of 1983-'84. Penaeid prawns contributed 8.1% against 7.4% of previous year. Bombay duck accounted for 7.7% against 6.0% of previous year. 4.6% of landings was accounted for by non-penaeid prawns which was 3.2% in 1983-'84. *Stolephorous* spp. contributed 4.5% against 5.7% of previous year.

Pelagic and demersal groups of fishes

During 1984-'85 pelagic species contributed to about 8,14,000 tonnes accounting for 50.4% of the total landings while 49.6% came from demersal fishes including crustaceans. Table-3 shows the landings of pelagic and demersal fishes.

Table 3. Marine fish landings in India (figures in tonnes)

	1984-'85	1983-'84
Pelagic	8,14,464	7,79,977
Demersal	8,01,288	8,03,234
TOTAL	16,15,752	15,83,211

Pelagic fishes

The landings of pelagic species have increased by about 34,000 tonnes (4.4%) while the contribution from demersal species declined marginally by 2,000 tonnes.

Estimated landings of various pelagic species are provided in Table-4 (a).

Table 4 (a): (figures in tonnes)

Sl. No.	Pelagic fishes	1984-'85	1983-'84
1.	Clupeids		
a)	Wolf herring	18,424	16,635
b)	Oil sardine	1,65,537	1,80,081
c)	Other sardines	68,314	76,841
d)	Hilsa shad	9,609	4,023
e)	Other shads	14,962	21,256
f)	Anchovies		
	<i>Coilia</i>	24,272	18,090
	<i>Setipinna</i>	3,229	3,382
	<i>Stolephorus</i>	72,692	89,802
	<i>Thryssa</i>	20,180	17,887
g)	Other clupeids	43,024	55,208
2.	Bombay duck	1,24,947	95,441
3.	Half beaks & Full beaks	1,725	2,603
4.	Flying fish	2,699	1,483
5.	Ribbon fishes	52,318	39,488
6.	Carangids		
a)	Horse mackerel	4,316	3,093
b)	Scads	11,534	9,160
c)	Leather-jackets	13,515	9,577
d)	Other carangids	28,025	29,099
7.	Mackerels		
a)	Indian mackerel	40,411	33,516
b)	Other mackerel	104	89
8.	Seer fishes		
a)	<i>S. commerson</i>	17,548	13,433
b)	<i>S. guttatus</i>	16,218	21,900
c)	<i>S. lineolatus</i>	186	286
d)	<i>Acanthocybium</i> spp.	44	201
9.	Tunnies		
a)	<i>E. affinis</i>	11,389	11,079
b)	<i>Auxis</i> spp.	1,525	2,596
c)	<i>K. pelamis</i>	4,039	2,651
d)	<i>T. tonggol</i>	186	11
e)	Other tunnies	3,327	2,692
10.	Bill fishes	1,481	758
11.	Barracudas	3,907	3,598
12.	Mullets	4,310	3,408
13.	Unicorn cod	2,569	452
14.	Miscellaneous	27,898	30,158
	TOTAL	8,14,464	7,79,977

Among the major pelagic fishes, oil sardine contributed 1,66,000 tonnes accounting 20.3% of the whole pelagic fish landings. Bombay duck accounted for 15.4%; *Stolephorus* spp. 8.9%; other sardines 8.4%; carangids 7.0%; ribbon fishes 6.4% and mackerel 5.0%.

1. Oil sardine

About 98% of the whole landings of this species was accounted for by its landings in Kerala, Karnataka and Goa coasts. The landings of oil sardine showed a reduction by about 15,000 tonnes from its landings of 1,80,000 tonnes of 1983-'84. In Kerala, landings reduced by about 22,000 tonnes from a total of 1,50,000 tonnes of 1983-'84. But, in Karnataka the landings of oil sardine increased substantially by about 8,000 tonnes from a total of 24,000 tonnes of 1983-'84. Along the east coast, oil sardine landings have been recorded in Andhra Pradesh and Orissa coasts during the year 1984-'85 also, in addition to Tamil Nadu and Pondicherry.

2. Bombay duck

The landings of Bombay duck increased by 30,000 tonnes than in the previous year. Maharashtra and Gujarat together accounted for 97.4% of the landings of this fish in the country. In Maharashtra the landings of Bombay duck increased from about 40,000 tonnes of 1983-'84 to 61,000 tonnes showing an increase of about 54.7%. In Gujarat the landings increased to 60,000 tonnes in the reported year from 50,000 tonnes of the previous year (21.2%).

3. *Stolephorus*

Landings of *Stolephorus* spp. decreased by about 17,000 tonnes during the year 1984-'85 compared to the landings of previous year. From 90,000 tonnes of 1983-'84, the landings declined to 73,000 tonnes registering a reduction in the landings by about 19.0%. Kerala accounted for 56.9% of the total landings of *Stolephorus* spp. in the country. The landings from that state during the year under report, however, reduced by about 26.3% compared to previous year's figure of 56,000 tonnes. Tamil Nadu (including Pondicherry) accounted for 20.8% of the landings of this species where its landings increased by 4,500 tonnes compared to the previous year. The landings at Karnataka accounted for 16.1% where the landings increased by about 200 tonnes from 11,500 tonnes of previous year. *Stolephorus* spp. is caught along the entire coast line except in Gujarat and Lakshadweep.

4. Ribbon fishes

Landings of ribbon fishes increased by 13,000 tonnes from the previous year's landings of 39,000 tonnes. 23.4% of the landings of this fish was accounted by the Tamil Nadu coast where the landings in the year under report increased to 6,600 tonnes from 5,600 tonnes of 1983-'84. Maharashtra contributed 20% of the landings where they decreased marginally by 6.8% from 11,200 tonnes of 1983-'84 to 10,500 tonnes. Considerable landings of this fish were recorded in Gujarat (9,100 tonnes, 17.5%), Kerala (6,600 tonnes, 12.5%) and Andhra Pradesh (600 tonnes, 11.4%). In Gujarat the landings increased by about 24.8% and in Kerala the landings increased considerably compared to 1,100 tonnes of the previous year. However, in Andhra Pradesh, a decrease by 29.7% was observed in their landings.

5. Mackerel

The landings of mackerel (40,000 tonnes) showed an increase of about 6,900 tonnes in 1984-'85 compared to the landings of 33,500 tonnes of 1983-'84. Kerala contributed 32.0% of total mackerel landings, the level of landings in that state remaining the same as that of previous year with a marginal increase of 1.8%. In Karnataka the landings (12,800 tonnes, 31.6%) showed an increase of about 10,300 tonnes from 2,500 tonnes of 1983-'84. Tamil Nadu coast accounted for 12.1% of the total mackerel landings where the landings declined by 3,100 tonnes compared to previous year's landings. Andhra Pradesh accounted for 11.1% of the landings of this fish where it registered a decline in the landings by about 2,200 tonnes. Landings of mackerel in Goa increased by 2,500 tonnes and accounted for 6.7% of the landings of mackerel in the country.

Demersal group

Estimated landings of various demersal species of fish and crustaceans are given in Table-4 (b).

Among the demersal species, penaeid prawns accounted for 16.3% of the total landings of this group. Croakers contributed 13.6% followed by non-penaeid prawns (9.2%), elasmobranchs (6.9%), silver bellies (6.5%), cat fishes (6.5%) and pomfrets (5.8%).

1. Penaeid prawns

The landings of penaeid prawns in 1984-'85 recorded an increase of 14,000 tonnes. The landings increased from 1,17,000 tonnes in 1983-'84 to 1,31,000 tonnes

Table 4 (b). (figures in tonnes)

Sl. No.	Demersal fishes	1984-'85	1983-'84
1.	Elasmobranchs		
a)	Sharks	34,215	39,019
b)	Skates	2,729	4,066
c)	Rays	18,061	27,802
2.	Eels	7,962	7,707
3.	Cat fishes	52,290	64,365
4.	Lizard fishes	14,864	15,613
5.	Perches		
a)	Rock cods	3,154	2,635
b)	Snappers	4,551	3,793
c)	Pig-face breams	1,769	2,201
d)	Threadfin breams	38,316	27,447
e)	Other perches	24,404	20,426
6.	Goat fishes	4,540	5,646
7.	Thread fins	8,510	7,412
8.	Croakers	1,08,672	1,08,572
9.	Silver bellies	52,157	87,772
10.	Big-jawed jumper	18,656	19,432
11.	Pomfrets		
a)	Black pomfret	11,494	16,524
b)	Silver pomfret	34,639	40,605
c)	Chinese pomfret	446	260
12.	Flat fishes		
a)	Halibut	1,733	1,718
b)	Flounders	75	289
c)	Soles	42,651	25,653
13.	Crustaceans		
a)	Penaeid prawns	1,30,540	1,16,619
b)	Non-penaeid prawns	73,964	50,633
c)	Lobsters	3,250	2,253
d)	Crabs	26,488	26,461
e)	Stomatopods	29,616	28,678
14.	Cephalopods	24,096	18,575
15.	Miscellaneous	27,446	31,058
TOTAL		8,01,288	8,03,234

in 1984-'85 showing an increase of about 11.9%. The landings in Maharashtra (45,000 tonnes) accounted for 34.8% of the total penaeid prawn landings in the country. Other regions which contributed considerably to the landings of penaeid prawns were Kerala (37,000 tonnes, 28.5%), Gujarat (14,000 tonnes, 10.6%), Tamil Nadu (13,000 tonnes, 9.6%), Andhra Pradesh (8,000 tonnes, 5.9%) and Karnataka (6,000 tonnes, 4.2%).

In Maharashtra the landings of penaeid prawns increased by about 7,000 tonnes from 37,000 tonnes of

1983-'84. In Kerala the landings increased by 11,000 tonnes from 26,000 tonnes of 1983-'84. In Gujarat also the landings of penaeid prawns registered an increase by about 4,000 tonnes from 9,000 tonnes of 1983-'84. However, the landings in Andhra Pradesh decreased by about 4,000 tonnes. Similarly the landings in Tamil Nadu decreased by 2,000 tonnes and in Karnataka also a decrease of about 1,000 tonnes was observed. In Goa the landings of penaeid prawns decreased by 2,000 tonnes from about 6,000 tonnes of 1983-'84.

2. Croakers

The landings of croakers in the country during the year under report remained more or less at the same level as that of previous year, the landings being 1,09,000 tonnes. The landings in Gujarat which accounted for 33.5% of the whole landings of croakers in the country registered an increase of about 18.4% in the year under report and quantitatively the increase was from 31,000 tonnes of 1983-'84 to 36,000 tonnes in the year 1984-'85. Maharashtra accounted for 18.6% of the landings where a marginal increase was observed in the landings from about 18,000 tonnes of 1983-'84 to about 20,000 tonnes in 1984-'85. In Orissa the landings registered an increase of about 2,000 tonnes compared to previous year. The landings in Orissa of about 18,000 tonnes, accounted for 17% of the whole landings of this fish in the country. Other regions which contributed considerably were Tamil Nadu (10,000 tonnes, 9.2%), Kerala (9,800 tonnes, 9.0%) and Andhra Pradesh (7,700 tonnes, 7.0%). In Kerala the landings increased by about 2,400 tonnes as compared to the landings of previous year. The landings decreased by about 4,100 tonnes in Andhra Pradesh and by 2,300 tonnes in Tamil Nadu.

3. Non-penaeid prawns

The landings of this group increased from 51,000 tonnes in 1983-'84 to 74,000 tonnes in 1984-'85 showing an increase of about 23,000 tonnes. Maharashtra and Gujarat together accounted for 84.5% of the total landings in the country. The landings in Maharashtra increased by about 19,000 tonnes in the year under report from 33,000 tonnes of the previous year. Similarly the landings showed an increase of about 3,000 tonnes in Gujarat from about 8,000 tonnes of 1983-'84. In the east coast, non-penaeid prawns were recorded in substantial quantities in West Bengal and Andhra Pradesh. The landings in West Bengal increased by about 4,000 tonnes in 1984-'85, from about 4,000 tonnes of 1983-'84. However, the landings showed considerable decrease in Andhra Pradesh where it declined from about

6,000 tonnes in 1983-'84 to the order of 1,000 tonnes in 1984-'85.

4. Silver bellies

A steep decline of about 36,000 tonnes was observed in the landings of silver bellies in the year 1984-'85. From 88,000 tonnes of 1983-'84 the landings decreased to 52,000 tonnes in 1984-'85. Tamil Nadu coast which accounted for 68.7% of the landings of silver bellies suffered a reduction in its landings by about 26,000 tonnes from 63,000 tonnes of 1983-'84. Andhra Pradesh which accounted for 8.9% of the landings of silver bellies, suffered a decrease of about 2,000 tonnes from about 7,000 tonnes of 1983-'84. Kerala which accounted for 7.3% of the landings sustained a decrease of about 5,000 tonnes from 9,000 tonnes of 1983-'84. In Karnataka landings of silver bellies showed a reduction of about 2,000 tonnes from about 5,000 tonnes of 1983-'84.

5. Perches

The landings of perches in the year 1984-'85 showed an overall increase of about 16,000 tonnes over about 57,000 tonnes of previous year. Threadfin breams constituting 53.1% of the perches increased by about 11,000 tonnes from previous year's landings of 27,000 tonnes. Major contribution for the landings of perches came from Kerala (about 29,000 tonnes) accounting for 39.8% of the whole landings in the country, followed by Tamil Nadu (11,600 tonnes, 16.0%), Andhra Pradesh (11,500 tonnes, 15.9%), Gujarat (9,500 tonnes, 13.2%) and Maharashtra (5,200 tonnes, 7.1%).

6. Elasmobranchs

A decrease of about 16,000 tonnes was observed in the landings of elasmobranchs, the landings in 1983-'84 and 1984-'85 being about 71,000 tonnes and 55,000 tonnes respectively. Gujarat accounted for 21.7% of the total elasmobranch landings in the country. In 1984-'85, landings in Gujarat remained at the same level of 1983-'84; the landings being about 12,000 tonnes. Tamil Nadu which accounted for 20.2% of the country's landings suffered a decline of about 39.3% in the landings from about 19,000 tonnes of 1983-'84, to about 11,000 tonnes in 1984-'85. In Andhra Pradesh the landings in both the years remained at about 10,000 tonnes which accounted for about 19.1% of the landings of elasmobranchs in the country. Kerala which accounted for 11.8% of the landings suffered a decline of about 3,300 tonnes from 9,800 tonnes in 1983-'84 to 6,500 tonnes in 1984-'85.

7. Cat fishes

The landings of cat fishes decreased from 64,000 tonnes of 1983-'84 to 52,000 tonnes of 1984-'85. Maharashtra which accounted for 21.2% of the landings in the country suffered a decline of about 2,000 tonnes, from about 13,000 tonnes of 1983-'84 to 11,000 tonnes of 1984-'85. Kerala, which accounted for 20.1% of the landings sustained a reduction in the landings by about 6,000 tonnes from 16,000 tonnes of 1983-'84 to about 10,000 tonnes of 1984-'85. Similarly the landings in Gujarat which accounted for 18.4% showed a decline of about 1,000 tonnes from 11,000 tonnes of 1983-'84. Other regions which contributed substantially to the landings of cat fishes were Orissa (6,000 tonnes, 11.3%), Andhra Pradesh (5,500 tonnes, 10.5%), Tamil Nadu (about 3,000 tonnes, 5.7%) and Karnataka (about 3,000 tonnes, 5.6%). The landings decreased by about 2,000 tonnes in Tamil Nadu and by 3,000 tonnes in Karnataka compared to previous year's landings, while in Andhra Pradesh the landings increased by about 2,000 tonnes.

8. Pomfrets

The landings of pomfrets decreased from about 57,000 tonnes of 1983-'84 to 46,000 tonnes of 1984-'85 showing a reduction of about 11,000 tonnes. Maharashtra which accounted for 37.9% of the landings suffered a decline of about 6,000 tonnes where the landings of 24,000 tonnes in 1983-'84 reduced to 18,000 tonnes of 1984-'85. But Gujarat which accounted for 31.6% of the landings registered an increase in its landings by over 5,000 tonnes, the landings in 1984-'85 being about 15,000 tonnes. In east coast, Andhra Pradesh which accounted for 10.9% of the landings suffered a decline of 5,000 tonnes from 10,000 tonnes in 1983-'84 to 5,000 tonnes in 1984-'85. The landings in West Bengal also showed a considerable decline of about 4,000 tonnes where the landings declined from 6,000 tonnes of 1983-'84 to about 2,000 tonnes of 1984-'85.

Landings by mechanised/non-mechanised crafts

Table-5 gives the landings by mechanised and non-mechanised vessels in 1984-'85 compared to the corresponding landings during 1983-'84.

Landings by mechanised vessels have shown considerable increase in 1984-'85 over that of 1983-'84, the increase being 2,32,000 tonnes (25.3%). The landings by non-mechanised vessels however, suffered a decrease of about 1,99,000 tonnes (30.0%). The mechanised landings accounted for 70.9% of the total landings

Table 5. (figures in tonnes)

Category of crafts	1984-'85	1983-'84
Mechanised	11,49,694	9,17,654
Non-mechanised	4,66,058	6,65,557
TOTAL	16,15,752	15,83,211

in 1984-'85, while the same was only 58% in 1983-'84. The contribution from non-mechanised vessels which was 42% in 1983-'84 has reduced to 29.10% in 1984-'85.

Landings in different regions

Northeast coast: Northeast region comprising of West Bengal, Orissa, Andhra Pradesh and Andaman & Nicobar islands contributed 14% of the landings in the country in 1984-'85. The landings of 2,25,000 tonnes during 1984-'85 showed a decline of about 32,000 tonnes from the landings of previous year in this region. Among the commercially important varieties, penaeid prawns and croakers registered reduction in the landings by 4,400 tonnes each and Bombay duck by 2,700 tonnes.

Southeast coast: Southeast region comprising of Tamil Nadu coast (including Pondicherry) accounted for 15% of the landings in the country as a whole. This region also registered a decline in the annual landings by about 45,000 tonnes from 2,92,000 tonnes of previous year. Among the commercially important varieties, silver bellies declined by 26,000 tonnes from the previous year's landings of 63,000 tonnes. Similarly landings of other sardines reduced by about 9,000 tonnes from 37,000 tonnes of 1983-'84. However, *Stolephorus* spp. showed an increase in the landings by 4,500 tonnes.

Southwest coast: Southwest region comprising of Kerala, Karnataka, Goa and Lakshadweep contributed 34% of the marine fish landings in the country which showed a marginal increase of about 7,000 tonnes in 1984-'85 over the landings of 5,37,000 tonnes of the previous year. Among the important species in this region, oil sardine showed a reduction in the landings by 15,000 tonnes from 1,77,000 tonnes of previous year. Similarly *Stolephorus* spp. also reduced in its landings by about 15,000 tonnes. However, perches registered an increase in the landings by about 16,000 tonnes, mackerel by 13,000 tonnes and penaeid prawns by 8,000 tonnes.

Northwest coast: Northwest region comprising of Maharashtra and Gujarat accounted for 37% of the landings in the country. Landings in this region during 1984-'85 registered a substantial increase by about 1,01,000 tonnes over the previous year's landings of 4,98,000 tonnes. Among the major species that accounted for this steep increase were Bombay duck which increased by 32,000 tonnes, penaeid prawns which increased by 13,000 tonnes and non-penaeid prawns which increased by 22,000 tonnes. However, elasmobranchs reduced in its landings by 3,000 tonnes.

Landings by mechanised and non-mechanised crafts in states

Tables 6 (a to j) give the landings by mechanised and non-mechanised crafts in the maritime states during the years 1983-'84 and 1984-'85. Salient features of the landings by mechanised and non-mechanised crafts during this period are given below.

West Bengal

The landings by mechanised crafts in West Bengal during 1983-'84 were about 13,200 tonnes showing an increase of about 1,900 tonnes (16%) from the landings of about 11,400 tonnes of 1982-'83. Pomfrets formed the major catch in the mechanised landings with 41% followed by Bombay duck (18%). Landings by non-mechanised boats showed an increase of about 7,600 tonnes from the previous year's landings of about 11,100 tonnes. In this, non-penaeid prawns formed the major catch with 23% followed by croakers (13%) and Bombay duck (12%).

The landings by mechanised crafts during 1984-'85 was estimated at about 20,600 tonnes showing an increase of about 7,300 tonnes (56%) over the landings in the previous year. Pomfrets formed the major component of landings by mechanised boats but its share reduced considerably to 10% from the previous year's 41%. The landings by non-mechanised units showed a reduction in 1984-'85 by about 6,400 tonnes (34%) than during 1983-'84. Non-penaeid prawns which formed the major component of the landings by the non-mechanised boats accounted for about 64%. In quantity, this was 3,000 tonnes more than that in 1983-'84.

Orissa

The landings by mechanised crafts in 1983-'84 accounted for about 59% of the total marine fish landings in the state against 35% of the previous year and

showed an increase of about 17,400 tonnes in 1983-'84 over 11,900 tonnes of 1982-'83. Croakers which accounted for 53% formed the major component of the landings by the mechanised boats. The landings of croakers by mechanised crafts showed an increase of about 12,900 tonnes over about 2,700 tonnes of previous year. The landings by trawlers formed the major component accounting for about 86% of the mechanised landings. The landings by non-mechanised crafts showed a reduction by about 1,400 tonnes (7%) from the previous year's landings of about 21,600 tonnes. Among the commercially important varieties, mackerel with 8% formed the major component of the landings by the non-mechanised crafts followed by pomfrets (6%) and croakers (5%).

In 1984-'85, the landings by mechanised crafts accounted for 63% of the total marine fish landings in the state against 59% of the year 1983-'84. Mechanised landings in 1984-'85 showed an increase of about 3,100 tonnes (11%). Among the commercially important varieties, croakers with 53% formed the major component of landings by mechanised crafts showing an increase of about 1,700 tonnes (11%) over the previous year's landings of about 15,500 tonnes. 96% of the landings by mechanised crafts in the state was by the trawlers. The landings of croakers by trawlers accounted for about 93% of the landings of this fish in the state and it formed the major component (55%) in the landings by trawlers.

Andhra Pradesh

Landings by mechanised crafts in Andhra Pradesh during 1983-'84 were estimated at about 47,800 tonnes accounting for 29% of the total marine fish landings in the state registering an increase of about 13,600 tonnes (40%) over the corresponding landings of 1982-'83. Among the commercially important varieties, penaeid prawns with 16% formed the major component followed by croakers (15%) and perches (13%). The landings by non-mechanised units in 1983-'84 showed an increase of about 25,100 tonnes (27%) over the corresponding landings of previous year. Among the commercially important varieties, pomfrets with 9% formed the major component of landings by the non-mechanised vessels, followed by mackerel (5%), croakers (4%) and penaeid prawns (4%).

The landings by mechanised crafts in 1984-'85 was estimated at about 31,100 tonnes accounting for 23% of the total marine fish landings in the state and showed a reduction of about 16,800 tonnes from the previous

Table 6 (a). *Estimated marine fish landings by mechanised and non-mechanised fishing crafts in West Bengal during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)*

Name of fish	1982-'83					1983-'84							1984-'85						
	Mechanised			Non-Mech.	Grand Total	Mechanised					Non-Mech.	Grand Total	Mechanised				Non-mech.	Grand Total	
	Power propulsion		Mech. fishing			Power propulsion			Power propulsion				Mech. fishing	Power propulsion					
	Drift/ Gillnet	Others				Total	Trawl net	Gill net	Bag net	Hooks & lines				Others	Total	Total			Trawl net
Oil sardine	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mackerel	—	—	—	2	2	—	6	—	—	—	6	—	6	—	36	—	—	36	1
Bombay duck	10	328	338	1,162	1,500	—	1,357	1,026	—	—	2,383	2,262	4,645	—	31	896	—	927	1,121
Croakers	46	364	410	775	1,185	7	107	277	5	85	481	2,332	2,813	2	507	449	—	958	535
Perches	—	—	—	51	51	—	26	—	—	—	26	16	42	—	51	1	3	55	40
Pomfrets	1,460	1,324	2,784	1,882	4,666	—	5,296	59	—	—	5,355	383	5,738	—	2,102	12	—	2,114	86
Tunnies	—	—	—	—	—	—	—	—	—	—	—	—	—	—	29	—	—	29	2
Penaeid prawns	—	20	20	268	288	—	32	92	—	—	124	1,538	1,662	—	—	949	—	949	85
Non-penaeid prawns	—	214	214	468	682	—	—	102	—	—	102	4,289	4,391	—	—	73	—	73	7,916
Others	2,122	5,467	7,589	6,481	14,070	23	4,097	397	215	—	4,732	7,834	12,566	5	9,963	5,239	202	15,409	2,518
TOTAL	3,638	7,717	11,355	11,089	22,444	30	10,921	1,953	220	85	13,209	18,634	31,863	7	12,719	7,619	205	20,550	12,304
No. of operations of units	25,837	15,288	41,125	1,48,419			60,149	6,041	1,822	26	68,038	1,36,552			39,265	9,767	2,350	51,382	74,071

Table 6 (b). *Estimated marine fish landings by mechanised and non-mechanised fishing crafts in Orissa during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)*

Name of fish	1982-'83					1983-'84					1984-'85				
	Mechanised			Non-Mech.	Grand Total	Mechanised			Non-Mech.	Grand Total	Mechanised			Non-Mech.	Grand Total
	Mech. fishing	Power propulsion	Total			Mech. fishing	Power propulsion	Total			Mech. fishing	Power propulsion	Total		
Oil sardine	—	—	—	—	—	—	—	—	—	—	—	—	—	539	539
Mackerel	2	—	2	972	974	3	—	3	1,602	1,605	—	—	—	349	349
Bombay duck	10	—	10	169	179	247	—	247	57	304	263	—	263	40	303
Croakers	2,663	21	2,684	1,319	4,003	15,399	150	15,549	1,029	16,578	17,167	112	17,279	1,159	18,438
Perches	—	—	—	1,662	1,662	769	—	769	198	967	476	—	476	211	687
Pomfrets	162	155	317	2,362	2,679	248	1,458	1,706	1,298	3,004	557	549	1,106	1,024	2,130
Tunnies	—	—	—	305	305	—	—	—	16	16	—	—	—	88	88
Penaeid prawns	1,606	—	1,606	425	2,031	1,556	—	1,556	384	1,940	2,147	—	2,147	372	2,519
Non-penaeid prawns	225	—	225	1	226	15	—	15	—	15	—	—	—	—	—
Others	6,752	253	7,005	14,426	21,431	6,886	2,508	9,394	15,612	25,006	10,539	535	11,074	15,021	26,095
TOTAL	11,420	429	11,849	21,641	33,490	25,123	4,116	29,239	20,196	49,435	31,149	1,196	32,345	18,803	51,148
No. of operations of units	70,234	11,947	7,86,391			68,606	66,843		6,85,420		95,400	16,069		7,63,692	

Table 6 (c). *Estimated marine fish landings from mechanised and non-mechanised fishing crafts in Andhra Pradesh during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)*

Name of fish	1982-'83					1983-'84					1984-'85						
	Mechanised			Non-mech.	Grand Total	Mechanised			Non-mech.	Grand Total	Mechanised			Non-mech.	Grand Total		
	Mech. fishing		Power propulsion			Mech. fishing		Power propulsion									
	Purse seine	Trawl net				Purse seine	Trawl net				Purse seine	Trawl net	Gill net			Total	
Oil sardine	—	—	—	—	—	—	—	—	—	—	—	—	—	164	164		
Mackerel	—	205	205	3,977	4,182	—	368	—	368	6,358	6,726	—	113	—	113	4,384	4,497
Bombay duck	—	581	581	882	1,463	—	264	—	264	757	1,021	—	163	—	163	749	912
Croakers	—	4,311	4,311	4,319	8,630	1	7,154	1	7,156	4,612	11,768	—	3,915	—	3,915	3,744	7,659
Perches	—	4,442	4,442	3,187	7,629	—	6,386	5	6,391	2,178	8,569	—	3,678	12	3,690	7,803	11,493
Pomfrets	—	184	184	3,604	3,788	4	101	1	106	10,194	10,300	—	164	—	164	4,915	5,079
Tunnies	—	—	—	941	941	10	—	—	10	811	821	—	8	1	9	987	996
Penaeid prawns	—	5,598	5,598	3,108	8,706	—	7,519	—	7,519	4,587	12,106	—	5,105	—	5,105	2,542	7,647
Non-penaeid prawns	—	1,202	1,202	3,669	4,871	—	2,564	—	2,564	3,003	5,567	—	711	—	711	529	1,240
Others	6	17,784	17,790	68,004	85,794	9	23,437	55	23,501	84,321	1,07,822	5	17,216	33	17,254	75,924	93,178
TOTAL	6	34,307	34,313	91,691	1,26,004	24	47,793	62	47,879	1,16,821	1,64,700	5	31,073	46	31,124	1,01,741	1,32,865
No. of operations of units	1,10,879			25,99,163		1,31,874	284		25,01,548			1,11,230	233		22,48,979		

Table 6 (d). *Estimated marine fish landings by mechanised and non-mechanised fishing crafts in Tamil Nadu during the years 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)*

Name of fish	1982-'83						1983-'84						1984-'85								
	Mechanised				Non-mech.	Grand Total	Mechanised				Non-mech.	Grand Total	Mechanised				Non-mech.	Grand Total			
	Mech. fishing	Power propulsion					Mech. fishing	Power propulsion					Mech. fishing	Power propulsion							
	Trawl net	Drift/ Gillnet	Hooks & lines	Total	Total		Trawl net	Purse-seine	Drift net	Gill net	Hooks & lines	Total	Total	Trawl net	Gill net	Drift net	Hooks & lines	Total	Total		
Oil sardine	—	—	—	—	1,094	1,094	66	—	—	—	—	66	1,130	1,196	8	—	—	8	1,331	1,339	
Mackerel	59	39	—	98	3,646	3,744	869	—	—	2	—	871	7,138	8,009	87	53	—	39	179	4,891	
Bombay duck	—	—	—	—	8	8	—	—	—	—	—	—	—	—	—	—	—	—	4	4	
Croakers	14,028	—	—	14,028	2,594	16,622	10,155	—	—	7	—	10,162	2,799	12,961	5,797	17	—	5,814	4,173	9,987	
Perches	5,060	22	284	5,366	8,322	13,688	5,530	—	—	28	—	5,558	6,990	12,548	4,630	72	—	4,857	5,880	10,737	
Pomfrets	297	15	—	312	862	1,174	227	—	10	7	—	244	912	1,156	269	48	16	333	708	1,041	
Tunnies	1	1,583	6	1,590	1,883	3,473	36	3	245	313	5	602	1,899	2,501	222	100	580	927	785	1,712	
Penaeid prawns	11,415	—	—	11,415	1,634	13,049	12,610	—	—	—	—	12,610	2,419	15,029	10,292	—	—	10,292	2,275	12,567	
Non-penaeid prawns	151	—	—	151	259	410	85	—	—	—	—	85	61	146	133	—	—	133	1,315	1,448	
Others	84,273	2,504	541	87,318	95,373	1,82,691	1,10,735	5	450	908	267	1,12,365	1,11,123	2,23,488	74,661	1,412	3,006	270	79,349	1,88,872	
TOTAL	1,15,284	4,163	831	1,20,278	1,15,675	2,35,953	1,40,313	8	705	1,265	272	1,42,563	1,34,471	2,77,034	96,099	1,702	3,602	489	1,01,892	1,30,706	2,32,598
No. of operations of units	4,97,137	18,058	3,150		38,78,326		5,26,404		7,159	8,141	807		45,43,220		4,29,337	21,511	17,007	7,711		38,47,048	

Table 6 (e). *Estimated marine fish landings by mechanised and non-mechanised fishing crafts in Pondicherry during the years 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)*

Name of fish	1982-'83					1983-'84					1984-'85							
	Mechanised				Non-mech.	Grand Total	Mechanised			Non-mech.	Grand Total	Mechanised			Non-mech.	Grand Total		
	Mech. fishing	Power propulsion		Total			Mech. fishing	Power propulsion				Total	Mech. fishing	Power propulsion			Total	
		Trawl net	Drift/ Gill net					Hooks & lines	Trawl net					Gill net				Total
Oil sardine	—	—	—	—	—	—	—	—	736	736	—	—	—	—	358	358		
Mackerel	5	—	—	5	733	738	1	—	1	812	813	1	—	—	1	919		
Bombay duck	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—		
Croakers	407	—	—	407	152	559	240	—	240	404	644	206	—	—	206	484		
Perches	1,227	1	—	1,228	260	1,488	880	10	890	319	1,209	645	—	—	645	200		
Pomfrets	—	—	—	—	114	114	1	5	6	97	103	2	—	—	2	164		
Tunnies	—	54	—	54	—	54	9	96	105	—	105	90	—	—	90	11		
Penaeid prawns	230	—	—	230	35	265	459	—	459	162	621	427	—	—	427	284		
Non-penaeid prawns	—	—	—	—	9	9	5	—	5	6	11	56	—	—	66	6		
Others	2,158	487	3	2,648	7,108	9,756	3,592	256	3,848	7,004	10,852	2,520	368	1	2,889	8,198		
TOTAL	4,027	542	3	4,572	8,413	12,985	5,187	367	5,554	9,540	15,094	3,857	458	1	4,316	10,624		
No. of operations of units	33,285	2,636	120		2,60,833		35,949	2,830		3,50,368		29,301	4,892	25		369,646		

Table 6 (f). *Estimated landings of marine fish from mechanised and non-mechanised fishing crafts in Kerala during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)*

Name of fish	1982-'83						1983-'84						1984-'85								
	Mechanised					Non-mech.	Grand Total	Mechanised					Non-mech.	Grand Total	Mechanised					Non-mech.	Grand Total
	Mech. fishing		Power propulsion					Mech. fishing		Power propulsion					Mech. fishing		Power propulsion				
	Trawl net	Purse-seine	Drift/Gillnet	Others	Total			Trawl net	Purse-seine	Drift/Gillnet	Others	Total			Trawl net	Purse-seine	Drift/Gillnet	Others	Total		
Oil sardine	1,200	6,401	2	73,379	80,982	78,506	1,59,488	2,413	11,617	15	19,940	33,985	1,15,755	1,49,740	304	12,045	3	87,016	99,368	28,871	1,28,239
Mack- erel	10	1,949	154	1,982	4,095	5,175	9,270	32	1,328	298	100	1,758	10,950	12,708	26	2,035	715	3,639	6,415	6,522	12,937
Bombay duck	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Croa- ckers	2,550	2	32	80	2,664	1,187	3,851	4,439	11	78	155	4,683	2,748	7,431	6,236	28	49	787	7,100	2,699	9,799
Perches	9,151	6	26	70	9,253	1,527	10,780	8,934	1	105	458	9,498	2,328	11,826	23,631	1	65	2,853	26,550	2,163	28,713
Pom- frets	134	206	1,165	34	1,539	2,842	4,381	202	170	1,022	6	1,400	371	1,771	74	89	704	418	1,285	323	1,608
Tunnies	1	43	1,327	174	1,545	4,760	6,305	—	1	2,168	57	2,226	3,708	5,934	2	13	2,005	1,646	3,666	2,462	6,128
Penaeid prawns	26,507	290	—	606	27,403	4,885	32,288	19,496	45	—	26	19,567	6,533	26,100	25,931	28	—	9,055	35,014	2,154	37,168
Non- penaeid prawns	—	—	—	—	—	33	33	—	—	—	—	—	170	170	—	—	—	—	—	719	719
Others	31,960	661	7,867	11,267	51,755	70,292	1,22,047	34,572	1,053	13,033	2,719	51,377	1,15,997	1,67,374	41,606	2,669	9,868	39,132	93,275	58,889	1,52,164
TOTAL	71,513	9,558	10,573	87,592	1,79,236	1,69,207	3,48,443	70,088	14,226	16,719	23,461	1,24,494	2,58,560	3,83,054	97,810	16,908	13,409	1,44,546	2,72,673	1,04,802	3,77,475
No. of opera- tions of units	3,63,556	8,123	76,779	2,08,497	22,79,293	3,77,388	7,000	85,037	1,29,406	5,98,831	25,03,492	3,22,967	6,140	84,993	6,05,166	10,19,266	18,08,141				

Table 6 (g). Estimated marine fish landings from mechanised and non-mechanised fishing crafts in Karnataka during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Name of fish	1982-'83						1983-'84						1984-'85								
	Mechanised				Non-mech.	Grand Total	Mechanised				Non-mech.	Grand Total	Mechanised				Non-mech.	Grand Total			
	Mechanised fishing		Power propulsion				Mechanised fishing		Power propulsion				Mechanised fishing		Power propulsion						
	Trawl net	Purse-seine	Drift/Gillnet	Others	Total	Total	Trawl net	Purse-seine	Drift/Gillnet	Others	Total	Total	Trawl net	Purse-seine	Drift/Gillnet	Others	Total	Total			
Oil sardine	464	33,274	—	—	33,738	1,763	35,501	356	22,619	—	—	22,975	942	23,917	29	31,834	41	—	31,904	59	31,963
Mackerel	325	4,300	5	—	4,630	674	5,304	7	2,361	5	—	2,373	106	2,479	3	12,561	6	—	12,570	205	12,775
Bombay duck	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Croakers	1,257	239	1	—	1,497	1,279	2,776	1,782	1,100	17	—	2,899	970	3,869	1,125	41	9	—	1,175	414	1,589
Perches	1,952	130	—	—	2,082	85	2,167	3,612	53	23	—	3,688	63	3,751	1,749	90	3	—	1,842	106	1,948
Pomfrets	601	1,216	347	2	2,166	1,044	3,210	203	79	288	—	570	1,358	1,928	123	499	361	—	983	558	1,541
Tunnies	—	928	273	—	1,201	1,042	2,243	—	862	542	—	1,404	741	2,145	3	529	67	—	599	177	776
Penaeid prawns	6,676	736	—	—	7,412	320	7,732	6,030	617	—	—	6,647	303	6,950	4,845	180	150	—	5,175	372	5,547
Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Others	28,598	25,634	1,297	1,173	56,702	12,333	69,035	24,359	28,558	3,808	119	56,844	10,745	67,589	21,427	30,690	1,841	19	53,977	9,506	63,483
TOTAL	39,873	66,457	1,923	1,175	1,09,428	18,540	1,27,968	36,349	56,249	4,683	119	97,400	15,228	1,12,628	29,304	76,424	2,478	19	1,08,225	11,397	1,19,622
No. of operations of units	2,01,104	55,326	8,746	3,202		2,41,544	1,76,746	40,454	16,975	5,145		2,58,301		1,42,186	48,928	8,827	155		2,84,426		

Table 6 (h). Estimated marine fish landings from mechanised and non-mechanised fishing crafts in Goa during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Name of Fish	1982-'83						1983-'84						1984-'85								
	Mechanised				Non-mech.	Grand Total	Mechanised				Non-mech.	Grand Total	Mechanised				Non-mech.	Grand Total			
	Mechanised fishing		Power propulsion				Mechanised fishing		Power propulsion				Mechanised fishing		Power propulsion						
	Trawl net	Purse-seine	Drift/Gillnet	Others	Total	Total	Trawl net	Purse-seine	Drift/Gillnet	Others	Total	Total	Trawl net	Purse-seine	Drift/Gillnet	Others	Total	Total			
Oil sardine	—	1,640	—	—	1,640	3,580	5,220	17	2,383	288	—	2,688	916	3,604	—	1,808	2	—	1,810	215	2,025
Mackerel	—	52	—	3	55	11	66	—	125	—	—	125	131	256	—	2,249	5	—	2,254	453	2,707
Bombay duck	—	—	—	—	—	—	—	12	—	—	—	12	—	12	—	—	—	—	—	—	—
Croakers	2,197	41	2	—	2,240	263	2,503	2,130	24	2	—	2,156	46	2,202	1,825	—	11	—	1,836	316	2,152
Perches	1,292	98	7	—	1,397	116	1,513	973	86	9	—	1,068	4	1,072	1,633	38	—	—	1,671	164	1,835
Pomfrets	159	5	52	—	216	192	408	137	5	42	—	184	83	267	241	24	132	—	397	17	414
Tunnies	—	—	5	—	5	1	6	1	—	24	—	25	—	25	12	—	138	—	150	—	150
Penaeid prawns	5,860	7	1	—	5,868	46	5,914	5,928	—	5	—	5,933	5	5,938	3,688	3	4	—	3,695	208	3,903
Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Others	12,974	4,094	695	72	17,835	2,409	20,244	17,705	2,081	1,748	—	21,534	1,674	23,208	20,997	3,426	1,573	13	26,009	2,326	28,335
TOTAL	22,482	5,937	762	75	29,256	6,618	35,874	26,903	4,704	2,118	—	33,725	2,859	36,584	28,396	7,548	1,865	13	37,822	3,699	41,521
No. of operations of units	75,139	7,599	9,756	90		64,690		89,132	5,740	28,415		1,23,287	24,600	1,47,887	94,516	7,176	39,644	295	1,41,631	41,893	1,83,524

Table 6 (i). Estimated marine fish landings by mechanised and non-mechanised fishing crafts in Maharashtra during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Name of fish	1982-'83						1983-'84						1984-'85						Non-mech.	Grand Total			
	Mechanised					Non-mech.	Grand Total	Mechanised					Non-mech.	Grand Total	Mechanised								
	Mech. fishing	Power propulsion						Mech. fishing	Power propulsion						Mech. fishing	Power propulsion							
		Trawl net	Dol net	Drift/ Gillnet	Hooks & lines				Total	Trawl net	Purse-seine	Dol net				Gill net	Hooks & lines	Total			Trawl net	Purse-seine	Dol net
Oil sardine	87	—	—	—	87	235	322	—	—	60	52	—	112	776	888	46	—	29	47	—	122	788	910
Mackerel	64	—	4	—	68	276	344	244	—	2	75	—	321	298	619	165	168	—	59	—	392	352	744
Bombay duck	271	47,366	7	—	47,644	1,330	48,974	737	—	38,492	—	—	39,229	365	39,594	830	—	60,329	20	—	61,179	77	61,256
Croakers	12,093	1,666	684	78	14,521	2,532	17,053	11,551	12	3,354	763	80	15,760	2,705	18,465	11,928	—	5,438	767	47	18,180	2,015	20,195
Perches	7,288	38	10	7	7,343	230	7,573	5,844	—	51	95	16	6,006	788	6,794	4,178	—	132	89	23	4,422	734	5,156
Pomfrets	1,687	7,127	5,135	—	13,949	1,695	15,644	1,360	—	14,092	7,217	3	22,672	1,026	23,698	1,243	—	10,142	5,869	—	17,254	406	17,660
Tunnies	1,357	—	384	—	1,741	1,383	3,124	284	—	6	529	—	819	1,938	2,757	607	—	26	1,819	—	2,452	275	2,727
Penaeid prawns	28,804	4,275	143	—	33,222	1,592	34,814	28,863	—	5,741	4	—	34,608	2,197	36,805	35,422	16	8,217	50	—	43,705	1,711	45,416
Non-penaeid prawns	479	39,484	—	—	39,963	4,836	44,799	450	—	32,127	—	—	32,577	137	32,714	602	—	50,447	37	—	51,086	796	51,882
Others	58,343	17,279	7,387	453	83,462	11,418	94,880	54,927	38	26,783	15,649	873	98,270	8,262	1,06,532	55,147	355	30,618	13,192	597	99,909	4,683	1,04,592
TOTAL	1,10,473	1,17,235	13,754	538	2,42,000	25,527	2,67,527	1,04,260	50	1,20,708	24,384	972	2,50,374	18,492	2,68,866	1,10,168	539	1,65,378	21,949	667	2,98,701	11,837	3,10,538
No. of operations of units	1,85,152	2,20,284	87,484	2,201	4,11,121		1,39,195	78	1,84,913	1,67,512	3,576		1,94,704		1,49,770	186	2,09,771	1,71,363	3,093		1,88,845		

Table 6 (i). Estimated marine fish landings by mechanised and non-mechanised fishing crafts in Gujarat during the years 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Name of fish	1982-'83						1983-'84						1984-'85									
	Mechanised					Non-mech.	Grand Total	Mechanised					Non-mech.	Grand Total	Mechanised					Non-mech.	Grand Total	
	Mech. fishing	Power propulsion						Mech. fishing	Power propulsion						Mech. fishing	Power propulsion						
		Trawl net	Dol net	Drift/ Gillnet	Hooks & lines				Total	Trawl net	Dol net	Gill net				Hooks & lines	Stake net	Total	Trawl net			Dol net
Oil sardine	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Bombay duck	464	14,792	—	—	15,256	23,040	38,296	261	25,048	29	—	37	25,375	24,477	49,852	304	45,639	46	—	45,989	14,435	60,424
Perches	1,992	—	343	—	2,335	419	2,754	5821	6	1,386	6	—	7219	597	7,816	8,030	—	398	—	8,428	1,070	9,498
Croakers	21,152	527	2,374	—	24,053	935	24,988	18,611	3,873	3,998	31	195	26,708	4,061	30,769	24,439	3,083	4,454	7	31,983	4,443	36,426
Pomfrets	1,269	131	10,357	—	11,757	1,036	12,793	774	329	5,903	26	3	7,035	2,285	9,320	1,459	682	10,931	—	13,072	1,627	14,699
Mackerel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	35	—	45	—	80	1	81
Tunnies	22	—	264	—	286	4	290	127	—	1,423	—	—	1,550	27	1,577	236	—	2,385	—	2,621	76	2,697
Penaeid prawns	8,763	226	85	—	9,074	3,242	12,316	5,104	987	218	—	—	6,309	3,041	9,350	8,586	1,158	4	—	9,748	4,039	13,787
Non-penaeid prawns	2,360	681	13	—	3,054	2,010	5,064	1,756	1,179	3	—	44	2,982	4,636	7,618	2,094	6,269	5	—	8,368	2,231	10,599
Others	50,645	2,329	29,259	30	82,263	17,673	99,936	54,876	7,779	27,176	56	109	89,996	23,003	1,12,999	8,0763	5,935	28,776	11	1,15,485	25,035	1,40,520
TOTAL	86,667	18,686	42,695	30	1,48,078	48,359	1,96,437	87,330	39,201	40,136	119	388	1,67,174	62,127	2,29,301	1,25,946	62,766	47,044	18	2,35,774	52,957	2,88,731
No. of operations of units	1,23,977	43,699	60,433	210	2,34,494		85,793	37,374	2,82,387	1,420	3,985		5,07,680		92,236	97,788	2,80,772	56		5,14,534		

year's landings. Penaeid prawns with 16% formed the major component followed by croakers (13%) and perches (12%). Landings by non-mechanised crafts in 1984-'85 registered a decrease of about 15,100 tonnes compared to 1,16,800 tonnes of previous year. Perches accounted for about 8% of the landings followed by pomfrets (5%), mackerel (4%) and croakers (4%).

Tamil Nadu

The landings by mechanised crafts in Tamil Nadu during 1983-'84 were estimated at about 1,42,600 tonnes accounting for 51% of the total marine fish landings in the state. This showed an increase of about 22,300 tonnes (19%) over the previous year's landings. Among the commercially important varieties, penaeid prawns formed 9% followed by croakers with 7%. The landings by non-mechanised crafts showed an increase of about 18,800 tonnes (16%) over the landings of the previous year. The landings of mackerel and perches formed 5% each.

The landings by mechanised crafts in 1984-'85 showed a decrease by about 40,700 tonnes from that in 1983-'84 and formed 44% of the total marine fish landings in the state. Penaeid prawns formed 10% of the landings by mechanised crafts, croakers 6% and perches 5%. The landings by non-mechanised crafts showed a decrease of about 3,800 tonnes (3%) from the previous year's landings of 1,34,500 tonnes. Among the commercially important varieties, perches formed 4%, mackerel 4% and croakers 3% of the landings by non-mechanised crafts.

Pondicherry

The landings by mechanised crafts in Pondicherry in 1983-'84 formed 37% of the total marine fish landings in the region and showed an increase of about 1,000 tonnes over the landings of 4,600 tonnes of previous year. Among the commercially important varieties, perches contributed 16% of the total landings by mechanised crafts and penaeid prawns 8%. Landings by non-mechanised crafts in 1983-'84 also showed an increase over that of previous year, by about 1,100 tonnes (13%). Mackerel formed 9% of the landings by non-mechanised crafts and oil sardine 8%.

In Pondicherry the landings by mechanised crafts in 1984-'85 were estimated at about 4,300 tonnes and formed 29% of the total landings in the region. This showed a decrease of about 1,200 tonnes (22%) from the landings of the previous year. Perches formed 15%

of the landings by mechanised crafts, penaeid prawns 10% and croakers 5%. The landings by non-mechanised crafts during 1984-'85 showed an increase of about 1,100 tonnes (11%) over the landings of 9,500 tonnes of the previous year. Mackerel formed 9% followed by croakers (5%) and oil sardine (3%).

Kerala

The landings by mechanised crafts in Kerala during 1983-'84 accounted for 33% of the total landings in the state and showed a decrease of about 54,700 tonnes from 1,79,200 tonnes of previous year. Landings by trawlers contributed 56% of the total landings by mechanised crafts, and purse-seiners contributed 11%. Among the major varieties, oil sardine accounted for 27% of the total landings by mechanised crafts followed by penaeid prawns (16%) and perches (4%). Landings by non-mechanised crafts in 1983-'84 contributed 67% of the total landings in the state and showed an increase of about 89,400 tonnes over the landings of 1,69,200 tonnes of 1982-'83. Among the commercially important varieties, oil sardine accounted for 45% of the landings by non-mechanised crafts in the state. The landings of mackerel accounted for 4% and penaeid prawns 3%.

Landings by mechanised crafts in 1984-'85 were estimated at 2,72,700 tonnes showing a substantial increase over the corresponding landings of previous year by about 1,48,200 tonnes and accounted for 72% of the total landings in the state. The landings by trawlers accounted for 36% of the total landings by mechanised crafts, while the contribution from purse-seiners was 6%, and 58% came from units with power propulsion. The landings by units with power propulsion during 1984-'85 showed a substantial increase by about 1,17,800 tonnes from the previous year's landings of 40,200 tonnes. Among the commercially important varieties, oil sardine contributed 99,400 tonnes accounting for 36% of the total mechanised landings. Penaeid prawns contributed 35,000 tonnes accounting for 13% and perches about 26,500 tonnes (10%). The landings by non-mechanised crafts in 1984-'85 estimated at 1,04,800 tonnes accounted for 28% of the total landings in the state and registered a reduction in the landings by about 1,53,800 tonnes from the corresponding landings of the previous year. Among the commercially important varieties of fish, oil sardine accounted for 28% by the non-mechanised crafts and mackerel 6%.

Karnataka

Landings by mechanised crafts in Karnataka in 1983-'84 accounted for 86% of the total marine fish

landings in the state. This showed a reduction of about 12,000 tonnes (11%) from the corresponding landings of previous year. 58% of the landings by the mechanised crafts was contributed by purse-seiners and 37% by trawlers. Among the commercially important varieties, oil sardine accounted for 24% and penaeid prawns 7%. The landings by the non-mechanised crafts in 1983-'84 accounting for about 14% of the total landings showed a reduction by 3,300 tonnes from that of previous year. Pomfrets formed 9% of the landings by non-mechanised crafts while oil sardine and croakers formed 6% each.

The landings by mechanised crafts in 1984-'85 accounted for 90% of the total landings in the state and showed an increase of 10,800 tonnes over the landings of previous year. 71% of the mechanised landings was contributed by purse-seiners and 27% by trawlers. Among the commercially important varieties of fish, oil sardine contributed 29%, mackerel 12% and penaeid prawns 5%. The landings of non-mechanised units in Karnataka during 1984-'85 accounted for 10% of the total landings and showed a reduction by about 3,800 tonnes from the landings of the previous year. Pomfrets formed 5% of the landings by the non-mechanised crafts, croakers 4% and mackerel 2%.

Goa

Landings by mechanised crafts in Goa in 1983-'84 accounted for 92% of the total landings in the territory and this registered an increase of about 4,500 tonnes over the corresponding landings of 1982-'83. 80% of the landings by the mechanised crafts was contributed by trawlers and 14% by purse-seiners. Among the major varieties, penaeid prawns contributed 18% of the total landings by the mechanised crafts, oil sardine 8%, croakers 6% and perches 3%. The landings by the non-mechanised crafts accounted for 8% of the total landings in the territory. Oil sardine (900 tonnes) accounted for 32%.

The landings by mechanised crafts in 1984-'85 was estimated at 37,700 tonnes accounting for 91% of the total landings in the territory and showed a marginal increase of about 1,200 tonnes over that of the previous year. Trawlers contributed 75% of the landings by the mechanised vessels and purse-seiners 20%. Among the major varieties, penaeid prawns accounted for 10% of the total landings in this category, mackerel 6%, croakers 5% and oil sardine 5%. The non-mechanised crafts landed 3,700 tonnes during 1984-'85 showing an increase of 800 tonnes over that of previous year.

Mackerel accounted for 12% of the landings by the non-mechanised crafts, croakers 9%, oil sardine 6% and penaeid prawns 6%.

Maharashtra

Landings by mechanised crafts in Maharashtra during 1983-'84 accounted for 93% of the total landings in the state and showed an increase of about 8,400 tonnes (3%) over the previous year's landings. Trawlers contributed 42% of the total landings by the mechanised crafts in the state. Crafts with power propulsion contributed about 58% of this landings. 'Dol' netters contributed 48% and gill netters about 10% of the total landings by the mechanised crafts. Among the commercially important varieties, bombay duck accounted for 16% of the total landings, penaeid prawns 14%, non-penaeid prawns 13%, pomfrets 9% and croakers 6%. Non-mechanised crafts landed about 18,500 tonnes during 1983-'84 which showed a decrease by about 7,000 tonnes from that of previous year. Croakers accounted for 15% of the landings, penaeid prawns 12%, tunnies 10% and pomfrets 6%.

In 1984-'85 the landings by the mechanised crafts were estimated at 2,98,700 tonnes which accounted for 96% of the total marine fish landings in the state showing an increase of about 48,300 tonnes over the corresponding landings of the previous year. The landings by trawlers accounted for 37% of the total landings in the mechanised category and crafts with power propulsion contributed 63%. Out of the total landings by mechanised crafts 'dol' netters contributed 55% and gill netters 7%. Among the commercially important varieties, bombay duck accounted for 20% of the landings by the mechanised crafts, non-penaeid prawns 17%, penaeid prawns 15%, croakers 6% and pomfrets 6%. The non-mechanised crafts landed about 11,800 tonnes during 1984-'85 accounting for 4% of the total landings in the state. Croakers accounted for 17% of the landings in this category, penaeid prawns 14% and non-penaeid prawns 7%.

Gujarat

In Gujarat during 1983-'84 the landings by the mechanised crafts accounted for 73% of the total landings in the state, registering an increase of about 19,000 tonnes over the corresponding landings of the previous year. The trawlers contributed 52% of the landings by the mechanised crafts in the state. Among the units with power propulsion, 'dol' netters contributed 23% and gill netters 24%. Among the commercially important varieties of fish, croakers accounted for 16%.

bombay duck 15%, pomfrets 4% and penaeid prawns 4%. The non-mechanised crafts landed an estimated quantity of 62,100 tonnes which showed an increase of about 13,800 tonnes over that of previous year. Bombay duck with 39% formed the major component. Non-penaeid prawns accounted for 7%, croakers 7% and penaeid prawns 5%.

The landings by the mechanised crafts in 1984-'85 estimated at 2,35,800 tonnes, accounted for 82% of the total marine fish landings in the state and showed an increase of 68,600 tonnes over that of previous year. Trawlers contributed 53% of the landings, 'dol' netters accounted for 27% and gill netters for 20%. Among the commercially important varieties, bombay duck contributed 20%, croakers 14%, pomfrets 6%, penaeid prawns 4% and non-penaeid prawns 4%. The landings by the non-mechanised crafts, estimated at about 53,000 tonnes, accounted for 18% of the total landings in the state showing a reduction by about 9,200 tonnes from that of the previous year. Bombay duck with 27% formed the major variety of fish followed by croakers (8%), penaeid prawns (8%) and non-penaeid prawns (4%).

Landings of mechanised boats at major centres

Tables 7 (a to n) give the estimated gear-wise landings by mechanised boats and Tables 8 (a to n) give the estimated quarter-wise landings by mechanised boats at major landing centres in the country.

Table 7 (a) Composition of marine fish landings from mechanised boats at Visakhapatnam Outer Harbour during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	1982-'83 Trawl net	1983-'84 Trawl net	1984-'85 Trawl net
1	2	3	4	5
1.	Elasmobranchs			
a)	Sharks	15	11	9
b)	Skates	35	33	27
c)	Rays	79	72	97
2.	Eels	31	42	101
3.	Cat fishes	186	134	126
4.	Clupeids			
a)	Wolf herring	6	7	8
b)	Oil sardine	—	—	—
c)	Other sardines	2	35	1
d)	Hilsa shad	—	—	—
e)	Other shads	—	—	—
f)	Anchovies	—	—	—
	<i>Coilia</i>	—	—	—

1	2	3	4	5
	<i>Setipinna</i>	—	—	—
	<i>Stolephorus</i>	189	184	97
	<i>Thrissina</i>	—	—	—
	<i>Thryssa</i>	60	56	94
g)	Other clupeids	8	23	12
5.	Bombay duck	8	2	3
6.	Lizard fishes	966	589	547
7.	Half beaks & Full beaks	—	—	—
8.	Flying fishes	—	—	—
9.	Perches	—	—	—
a)	Rock cods	2	1	—
b)	Snappers	1	—	—
c)	Pig-face breams	—	—	—
d)	Threadfin breams	532	1,419	536
e)	Other perches	457	986	663
10.	Goat fishes	216	250	305
11.	Threadfins	28	44	54
12.	Croakers	349	595	565
13.	Ribbon fishes	297	673	556
14.	Carangids	—	—	—
a)	Horse mackerel	—	2	—
b)	Seads	68	307	71
c)	Leather-jackets	—	—	—
d)	Other carangids	106	50	26
15.	Silver bellies	368	536	320
16.	Big-jawed jumper	14	143	51
17.	Pomfrets	—	—	—
a)	Black pomfret	8	4	8
b)	Silver pomfret	5	3	33
c)	Chinese pomfret	—	—	—
18.	Mackerels	—	—	—
a)	Indian mackerel	13	92	10
b)	Other mackerels	—	—	—
19.	Seer fishes	—	—	—
a)	<i>S. commerson</i>	—	—	—
b)	<i>S. guttatus</i>	2	1	—
c)	<i>S. lineolatus</i>	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—
20.	Tunnies	—	—	—
a)	<i>E. affinis</i>	—	—	—
b)	<i>Auxis</i> spp.	—	—	—
c)	<i>K. pelamis</i>	—	—	8
d)	<i>T. tonggol</i>	—	—	—
e)	Other tunnies	—	—	—
21.	Bill fishes	—	—	—
22.	Barracudas	14	5	7
23.	Mullets	—	—	—
24.	Unicorn cod	—	—	—
25.	Flat fishes	—	—	—
a)	Halibut	12	2	9

1	2	3	4	5
	b) Flounders	—	—	—
	c) Soles	47	60	88
26.	Crustaceans			
	a) Penaeid prawns	673	1,108	890
	b) Non-penaeid prawns	5	49	50
	c) Lobsters	3	—	—
	d) Crabs	133	402	531
	e) Stomatopods	9	80	227
27.	Cephalopods	229	239	140
28.	Miscellaneous	44	57	68
TOTAL		5,220	8,296	6,338

Table 7 (b). Composition of marine fish landings from mechanised boats at Kakinada Fisheries Harbour during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	1982-'83 Trawl net	1983-'84 Trawl net	1984-'85 Trawl net
1	2	3	4	5
1.	Elasmobranchs			
	a) Sharks	38	56	39
	b) Skates	80	45	103
	c) Rays	192	251	327
2.	Eels	196	231	177
3.	Cat fishes	245	237	278
4.	Clupeids			
	a) Wolf herring	1	3	1
	b) Oil sardine	—	—	—
	c) Other sardines	95	—	14
	d) Hilsa shad	—	—	—
	e) Other shads	1	35	8
	f) Anchovies			
	<i>Coilia</i>	7	9	14
	<i>Setipinna</i>	—	—	—
	<i>Stolephorus</i>	514	721	937
	<i>Thrissina</i>	—	—	—
	<i>Thryssa</i>	261	348	493
	g) Other clupeids	386	162	190
5.	Bombay duck	357	83	97
6.	Lizard fishes	238	332	448
7.	Half beaks & Full beaks	—	—	—
8.	Flying fishes	—	—	—
9.	Perches			
	a) Rock cods	—	3	6
	b) Snappers	7	11	48

1	2	3	4	5
	c) Pig-face brems	—	—	—
	d) Threadfin brems	1,087	1,052	707
	e) Other perches	1,643	1,594	910
10.	Goat fishes	205	177	248
11.	Threadfins	24	65	108
12.	Croakers	583	1,140	1,219
13.	Ribbon fishes	861	1,424	1,079
14.	Carangids			
	a) Horse mackerel	—	—	—
	b) Scads	2,696	1,349	557
	c) Leather-jackets	—	—	—
	d) Other carangids	109	201	207
15.	Silver bellies	947	2,000	1,413
16.	Big-jawed jumper	43	164	46
17.	Pomfrets			
	a) Black pomfret	11	7	1
	b) Silver pomfret	8	5	26
	c) Chinese pomfret	—	—	—
18.	Mackerels			
	a) Indian mackerel	112	41	36
	b) Other mackerels	—	—	—
19.	Seer fishes			
	a) <i>S. commerson</i>	—	2	—
	b) <i>S. guttatus</i>	—	2	1
	c) <i>S. lineolatus</i>	—	—	—
	d) <i>Acanthocybium</i> spp.	—	—	—
20.	Tunnies			
	a) <i>E. affinis</i>	—	—	—
	b) <i>Auxis</i> spp.	—	—	—
	c) <i>K. pelamis</i>	—	—	—
	d) <i>T. tonggol</i>	—	—	—
	e) Other tunnies	—	—	—
21.	Bill fishes	—	—	—
22.	Barracudas	74	111	88
23.	Mulletts	—	1	—
24.	Unicorn cod	—	—	—
25.	Flat fishes			
	a) Halibut	2	11	28
	b) Flounders	13	77	33
	c) Soles	247	354	236
26.	Crustaceans			
	a) Penaeid prawns	2,671	2,961	2,388
	b) Non-penaeid prawns	1,029	2,455	530
	c) Lobsters	—	—	5
	d) Crabs	417	761	455
	e) Stomatopods	375	401	250
27.	Cephalopods	114	184	140
28.	Miscellaneous	321	327	248
TOTAL		16,210	19,393	14,139

Table 7 (c). Composition of marine fish landings from mechanised boats at Pudumanikuppam during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	1982-'83			1983-'84			1984-'85		
		Trawl net	Gill net	Total	Trawl net	Gill net	Total	Trawl net	Gill net	Total
1	2	3	4	5	6	7	8	9	10	11
1.	Elasmobranchs									
a)	Sharks	31	26	57	14	9	23	375	83	458
b)	Skates	12	—	12	23	1	24	80	13	93
c)	Rays	94	10	104	46	8	54	105	15	120
2.	Eels	14	1	15	—	—	—	5	—	5
3.	Cat fishes	5	3	8	15	2	17	270	15	285
4.	Clupeids									
a)	Wolf herring	2	—	2	3	—	3	35	7	42
b)	Oil sardine	—	—	—	—	—	—	—	—	—
c)	Other sardines	3	—	3	9	—	9	—	—	—
d)	Hilsa shad	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—
f)	Anchovies	—	—	—	—	—	—	5	—	5
	<i>Coilia</i>	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	13	—	13	87	—	87	228	—	228
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	23	—	23	17	—	17	43	—	43
g)	Other clupeids	15	5	20	14	2	16	2	—	2
5.	Bombay duck	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	729	—	729	288	—	288	927	—	927
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—
9.	Perches									
a)	Rock cods	—	—	—	—	—	—	174	28	202
b)	Snappers	—	—	—	2	2	4	165	28	193
c)	Pig-face breams	7	—	7	4	—	4	—	—	—
d)	Threadfin breams	1,524	—	1,524	1,271	—	1,271	686	—	686
e)	Other perches	728	—	728	677	—	677	273	—	273
10.	Goat fishes	91	—	91	62	—	62	99	—	99
11.	Threadfins	3	—	3	17	—	17	34	10	44
12.	Croakers	224	—	224	405	—	405	335	—	335
13.	Ribbon fishes	303	—	303	164	—	164	609	—	609
14.	Carangids									
a)	Horse mackerel	—	—	—	—	—	—	—	—	—
b)	Scads	203	—	203	394	—	394	52	—	52
c)	Leather-jackets	—	1	1	6	9	15	81	—	81
d)	Other carangids	26	1	27	34	3	37	498	6	504
15.	Silver bellies	1,336	—	1,336	1,532	—	1,532	1,218	—	1,218
16.	Big-jawed jumper	1	—	1	2	—	2	50	3	53
17.	Pomfrets									
a)	Black pomfret	4	1	5	10	1	11	55	12	67
b)	Silver pomfret	—	—	—	—	—	—	131	7	138
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—

1	2	3	4	5	6	7	8	9	10	11
18.	Mackerels									
a)	Indian mackerel	8	—	8	63	—	63	6	—	6
b)	Other mackerels	—	—	—	—	—	—	—	—	—
19.	Seer fishes									
a)	<i>S. commerson</i>	2	38	40	11	35	46	182	42	224
b)	<i>S. guttatus</i>	1	18	19	—	4	4	233	31	264
c)	<i>S. lineolatus</i>	—	12	12	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—
20.	Tunnies									
a)	<i>E. affinis</i>	1	8	9	2	7	9	138	15	153
b)	<i>Auxis</i> spp.	—	—	—	1	—	1	40	—	40
c)	<i>K. pelamis</i>	—	1	1	13	—	13	44	—	44
d)	<i>T. tonggol</i>	—	—	—	1	—	1	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—
21.	Bill fishes	—	26	26	—	23	23	73	4	77
22.	Barracudas	65	—	65	55	—	55	124	—	124
23.	Mullets	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—
25.	Flat fishes									
a)	Halibut	4	—	4	3	—	3	24	—	24
b)	Flounders	4	—	4	—	—	—	—	—	—
c)	Soles	32	—	32	24	—	24	23	—	23
26.	Crustaceans									
a)	Penaeid prawns	1,181	—	1,181	770	—	770	410	—	410
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—
c)	Lobsters	30	—	30	68	—	68	130	—	130
d)	Crabs	232	—	232	134	—	134	247	—	247
e)	Stomatopods	28	—	28	35	—	35	—	—	—
27.	Cephalopods	535	—	535	418	—	418	165	—	165
28.	Miscellaneous	1,577	2	1,579	2,605	3	2,608	520	21	541
TOTAL		9,091	153	9,244	9,299	109	9,408	8,894	340	9,234
No. of operations of fishing units		34,567	1,331		29,897	836		36,864	1,650	

Table 7 (d). Composition of marine fish landings from mechanised boats at Cuddalore Fisheries Harbour during the years 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	1982-'83			1983-'84			1984-'85		
		Trawl net	Gill net	Total	Trawl net	Gill net	Total	Trawl net	Gill net	Total
1	2	3	4	5	6	7	8	9	10	11
1.	Elasmobranchs									
a)	Sharks	—	482	482	—	84	84	—	130	130
b)	Skates	3	4	7	—	—	—	—	—	—
c)	Rays	—	24	24	—	11	11	1	21	22
2.	Eels	—	—	—	—	—	—	—	—	—
3.	Cat fishes	—	—	—	—	—	—	—	—	—
4.	Clupeids									
a)	Wolf herring	—	—	—	—	—	—	—	—	—
b)	Oil sardine	—	—	—	—	—	—	—	—	—

1	2	3	4	5	6	7	8	9	10	11
c)	Other sardines	—	—	—	—	—	—	—	—	—
d)	Hilsa shad	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—
f)	Anchovies	—	—	—	—	—	—	—	—	—
	<i>Coilia</i>	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	22	—	22	178	—	178	138	—	138
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	—	—	—	55	—	55	20	—	20
g)	Other clupeids	—	37	37	89	—	89	96	—	96
5.	Bombay duck	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	225	—	225	375	—	375	326	—	326
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—
9.	Perches	—	—	—	—	—	—	—	—	—
a)	Rock cods	—	6	6	—	—	—	—	—	—
b)	Snappers	—	—	—	—	—	—	—	—	—
c)	Pig-face breams	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	328	—	328	256	—	256	152	—	152
e)	Other perches	57	—	57	148	—	148	97	—	97
10.	Goat fishes	40	—	40	38	—	38	33	—	33
11.	Threadfins	—	—	—	6	—	6	—	—	—
12.	Croakers	142	—	142	99	—	99	269	—	269
13.	Ribbon fishes	—	—	—	27	—	27	7	—	7
14.	Carangids	—	—	—	—	—	—	—	—	—
a)	Horse mackerel	—	—	—	—	—	—	—	—	—
b)	Scads	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	—	9	9	—	4	4	—	4	4
d)	Other carangids	—	20	20	—	11	11	44	1	45
15.	Silver bellies	826	—	826	1,440	—	1,440	831	—	831
16.	Big-jawed jumper	—	—	—	—	—	—	—	—	—
17.	Pomfrets	—	—	—	—	—	—	—	—	—
a)	Black pomfret	—	—	—	—	—	—	—	—	—
b)	Silver pomfret	—	—	—	—	—	—	—	—	—
c)	Chinese pomfret	—	—	—	—	1	1	—	—	—
18.	Mackerels	—	—	—	—	—	—	—	—	—
a)	Indian mackerel	—	—	—	—	4	4	—	—	—
b)	Other mackerels	—	—	—	—	—	—	—	—	—
19.	Seer fishes	—	—	—	—	—	—	—	—	—
a)	<i>S. commerson</i>	—	701	701	—	136	136	—	101	101
b)	<i>S. guttatus</i>	—	—	—	—	—	—	—	—	—
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—
20.	Tunnies	—	—	—	—	—	—	—	—	—
a)	<i>E. affinis</i>	—	408	408	—	47	47	—	62	62
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	19	—	19	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—
21.	Bill fishes	—	64	64	—	7	7	—	24	24
22.	Barracudas	—	23	23	—	5	5	8	3	11

1	2	3	4	5	6	7	8	9	10	11
23.	Mulletts	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—
25.	Flat fishes									
a)	Halibut	—	—	—	—	—	—	—	—	—
b)	Flounders	—	—	—	—	—	—	—	—	—
c)	Soles	20	—	20	11	—	11	16	—	16
26.	Crustaceans									
a)	Penaeid prawns	234	—	234	296	—	296	363	—	363
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—
c)	Lobsters	—	—	—	—	—	—	—	—	—
d)	Crabs	197	—	197	64	—	64	102	—	102
e)	Stomatopods	—	—	—	26	—	26	12	—	12
27.	Cephalopods	54	—	54	84	—	84	31	—	31
28.	Miscellaneous	188	3	191	173	—	173	84	—	84
TOTAL		2,336	1,781	4,117	3,384	310	3,694	2,630	346	2,976
No. of operations of fishing units		9,232	4,327		11,239	1,250		9,218	1,196	

Table 7 (e). *Composition of marine fish landings from mechanised boats at Nagapattinam during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1982-'83			1983-'84			1984-'85		
		Trawl net	Gill net	Total	Trawl net	Gill net	Total	Trawl net	Gill net	Total
1	2	3	4	5	6	7	8	9	10	11
1.	Elasmobranchs									
a)	Sharks	4	—	4	—	—	—	41	—	41
b)	Skates	26	—	26	1	—	1	—	—	—
c)	Rays	295	—	295	604	—	604	361	—	361
2.	Eels	37	—	37	27	—	27	5	—	5
3.	Cat fishes	175	—	175	150	—	150	142	—	142
4.	Clupeids									
a)	Wolf herring	—	—	—	9	—	9	—	—	—
b)	Oil sardine	—	—	—	4	—	4	2	—	2
c)	Other sardines	—	—	—	—	—	—	2	—	2
d)	Hilsa shad	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—
f)	Anchovies									
	<i>Coilia</i>	191	—	191	531	—	531	259	—	259
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	293	—	293	888	—	888	338	—	338
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	225	—	225	409	—	409	341	—	341
g)	Other clupeids	545	—	545	726	—	726	511	—	511
5.	Bombay duck	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	196	—	196	268	—	268	283	—	283
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—
9.	Perches									
a)	Rock cods	1	—	1	—	—	—	—	—	—

1	2	3	4	5	6	7	8	9	10	11
b)	Snappers	—	—	—	—	—	—	—	—	—
c)	Pig-face breams	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	525	—	525	467	—	467	304	—	304
e)	Other perches	280	—	280	601	1	602	222	—	222
10.	Goat fishes	32	—	32	79	—	79	58	—	58
11.	Threadfins	—	—	—	—	—	—	9	—	9
12.	Croakers	866	—	866	1,566	—	1,566	1,058	—	1,058
13.	Ribbon fishes	235	—	235	253	—	253	110	—	110
14.	Carangids									
a)	Horse mackerel	—	—	—	—	—	—	—	—	—
b)	Scads	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	—	—	—	—	—	—	4	—	4
d)	Other carangids	233	—	233	328	—	328	293	—	293
15.	Silver bellies	967	—	967	3,025	—	3,025	1,772	—	1,772
16.	Big-jawed jumper	46	—	46	4	—	4	17	—	17
17.	Pomfrets									
a)	Black pomfret	1	—	1	13	—	13	1	—	1
b)	Silver pomfret	37	—	37	37	—	37	37	—	37
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—
18.	Mackerels									
a)	Indian mackerel	2	—	2	8	—	8	7	—	7
b)	Other mackerels	—	—	—	—	—	—	—	—	—
19.	Seer fishes									
a)	<i>S. commerson</i>	—	—	—	5	—	5	1	—	1
b)	<i>S. guttatus</i>	—	—	—	1	—	1	—	—	—
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—
20.	Tunnies									
a)	<i>E. affinis</i>	—	—	—	—	—	—	—	—	—
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—
21.	Bill fishes	—	—	—	—	—	—	—	—	—
22.	Barracudas	95	—	95	98	—	98	60	—	60
23.	Mulletts	2	—	2	—	—	—	22	—	22
24.	Unicorn cod	—	—	—	—	—	—	16	—	16
25.	Flat fishes									
a)	Halibut	99	—	99	107	—	107	57	—	57
b)	Flounders	—	—	—	—	—	—	26	—	26
c)	Soles	193	—	193	220	—	220	220	—	220
26.	Crustaceans									
a)	Penaeid prawns	748	—	748	1,543	—	1,543	1,073	—	1,073
b)	Non-penaeid prawns	65	—	65	42	—	42	122	—	122
c)	Lobsters	20	—	20	15	—	15	23	—	23
d)	Crabs	202	—	202	402	—	402	450	—	450
e)	Stomatopods	16	—	16	1	—	1	4	—	4
27.	Cephalopods	77	—	77	65	—	65	86	—	86
28.	Miscellaneous	253	—	253	357	—	357	528	—	528
TOTAL		6,982	—	6,982	12,854	1	12,855	8,865	—	8,865

Table 7 (f). Composition of marine fish landings from mechanised boats at Mandapam during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	1982-'83 Trawl net	1983-'84 Trawl net	1984-'85 Trawl net
1	2	3	4	5
1.	Elasmobranchs			
a)	Sharks	—	1	—
b)	Skates	—	—	—
c)	Rays	236	208	332
2.	Eels	—	4	—
3.	Cat fishes	48	50	60
4.	Clupeids			
a)	Wolf herring	2	5	—
b)	Oil sardine	—	27	6
c)	Other sardines	31	41	64
d)	Hilsa shad	6	8	—
e)	Other shads	5	14	33
f)	Anchovies			
	<i>Coilia</i>	—	2	—
	<i>Setipinna</i>	—	—	—
	<i>Stolephorus</i>	—	3	4
	<i>Thrissina</i>	—	—	—
	<i>Thryssa</i>	27	14	23
g)	Other clupeids	117	42	31
5.	Bombay duck	—	—	—
6.	Lizard fishes	10	6	2
7.	Half beaks & Full beaks	—	—	—
8.	Flying fishes	—	—	—
9.	Perches			
a)	Rock cods	—	—	—
b)	Snappers	—	—	—
c)	Pig-face breams	20	23	11
d)	Threadfin breams	2	1	2
e)	Other perches	94	109	146
10.	Goat fishes	73	96	103
11.	Threadfins	—	2	2
12.	Croakers	319	348	348
13.	Ribbon fishes	7	3	3
14.	Carangids			
a)	Horse mackerel	—	—	—

1	2	3	4	5
b)	Scads	—	—	—
c)	Leather-jackets	1	1	2
d)	Other carangids	40	38	78
15.	Silver bellies	3,659	2,910	2,419
16.	Big-jawed jumper	1	1	1
17.	Pomfrets			
a)	Black pomfret	3	—	—
b)	Silver pomfret	13	16	4
c)	Chinese pomfret	—	—	1
18.	Mackerels			
a)	Indian mackerel	—	—	2
b)	Other mackerels	—	—	—
19.	Seer fishes			
a)	<i>S. commerson</i>	—	—	—
b)	<i>S. guttatus</i>	—	—	—
c)	<i>S. lineolatus</i>	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—
20.	Tunnies			
a)	<i>E. affinis</i>	—	—	—
b)	<i>Auxis</i> spp.	—	—	—
c)	<i>C. pelamis</i>	—	—	—
d)	<i>T. tonggol</i>	—	1	—
e)	Other tunnies	—	—	—
21.	Bill fishes	—	—	—
22.	Barracudas	—	—	—
23.	Mulletts	—	14	8
24.	Unicorn cod	—	—	—
25.	Flat fishes			
a)	Halibut	—	—	—
b)	Flounders	—	—	—
c)	Soles	42	55	60
26.	Crustaceans			
a)	Penaeid prawns	681	794	1,031
b)	Non-penaeid prawns	—	2	—
c)	Lobsters	—	—	—
d)	Crabs	198	272	732
e)	Stomatopods	9	—	—
27.	Cephalopods	79	87	148
28.	Miscellaneous	640	1,798	1,654
TOTAL		6,363	6,996	7,310

Table 7 (g). *Composition of marine fish landings from mechanised boats at Rameswaram during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1982-'83			1983-'84			1984-'85		
		Trawl net	Gill net	Total	Trawl net	Gill net	Total	Trawl net	Gill net	Total
1	2	3	4	5	6	7	8	9	10	11
1.	Elasmobranchs									
a)	Sharks	—	—	—	—	—	—	—	—	—
b)	Skates	—	—	—	—	—	—	—	—	—
c)	Rays	2,330	—	2,330	3,249	—	3,249	2,861	—	2,861
2.	Eels	—	—	—	—	—	—	—	—	—
3.	Cat fishes	202	—	202	225	—	225	342	—	342
4.	Clupeids									
a)	Wolf herring	—	1	1	—	—	—	—	—	—
b)	Oil sardine	—	—	—	38	—	38	—	—	—
c)	Other sardines	52	—	52	387	—	387	512	—	512
d)	Hilsa shad	5	—	5	48	—	48	—	—	—
e)	Other shads	6	—	6	62	—	62	227	—	227
f)	Anchovies									
	<i>Coilia</i>	9	—	9	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	—	—	—	—	—	—	3	—	3
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	15	—	15	12	—	12	—	—	—
g)	Other clupeids	351	—	351	90	—	90	97	—	97
5.	Bombay duck	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	156	—	156	245	—	245	39	—	39
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—
9.	Perches									
a)	Rock cods	2	—	2	1	—	1	—	—	—
b)	Snappers	—	—	—	—	—	—	—	—	—
c)	Pig-face breams	—	—	—	—	—	—	—	—	—
d)	Thread fin breams	—	—	—	1	—	1	1	—	1
e)	Other perches	101	—	101	331	—	331	515	—	515
10.	Goat fishes	344	—	344	607	—	607	397	—	397
11.	Threadfins	—	—	—	—	—	—	73	—	73
12.	Croakers	2,754	—	2,754	2,533	—	2,533	1,544	—	1,544
13.	Ribbon fishes	3	—	3	—	—	—	—	—	—
14.	Carangids									
a)	Horse mackerel	—	—	—	—	—	—	—	—	—
b)	Scads	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	—	—	—	—	—	—	—	—	—
d)	Other carangids	103	—	103	60	—	60	187	—	187
15.	Silver bellies	12,373	—	12,373	14,029	—	14,029	10,012	—	10,012
16.	Big-jawed jumper	—	—	—	4	—	4	—	—	—
17.	Pomfrets									
a)	Black pomfret	—	—	—	—	—	—	—	—	—
b)	Silver pomfret	85	—	85	23	—	23	5	—	5
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—

1	2	3	4	5	6	7	8	9	10	11
18.	Mackerels	—	—	—	—	—	—	—	—	—
a)	Indian mackerel	—	—	—	1	—	1	14	—	14
b)	Other mackerels	—	—	—	—	—	—	—	—	—
19.	Seer fishes	—	—	—	—	—	—	—	—	—
a)	<i>S. commerson</i>	—	—	—	—	—	—	—	—	—
b)	<i>S. guttatus</i>	—	—	—	—	—	—	—	—	—
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—
20.	Tunnies	—	—	—	—	—	—	—	—	—
a)	<i>E. affinis</i>	—	—	—	—	—	—	—	—	—
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—
21.	Bill fishes	—	—	—	—	—	—	—	—	—
22.	Barracudas	—	—	—	1	—	1	1	—	1
23.	Mulletts	—	—	—	3	—	3	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—
25.	Flat fishes	—	—	—	—	—	—	—	—	—
a)	Halibut	15	—	15	—	—	—	—	—	—
b)	Flounders	—	—	—	—	—	—	—	—	—
c)	Soles	160	—	160	179	—	179	126	—	126
26.	Crustaceans	—	—	—	—	—	—	—	—	—
a)	Penaeid prawns	1,905	—	1,905	2,429	—	2,429	2,552	—	2,552
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—
c)	Lobsters	1	—	1	—	—	—	—	—	—
d)	Crabs	696	—	696	1,016	—	1,016	868	—	868
e)	Stomatopods	—	—	—	30	—	30	215	—	215
27.	Cephalopods	202	—	202	262	—	262	187	—	187
28.	Miscellaneous	943	—	943	1,227	—	1,227	717	—	717
TOTAL		22,813	1	22,814	27,093	—	27,093	21,495	—	21,495

Table 7 (b). Composition of marine fish landings from mechanised boats at Tuticorin Fisheries Harbour during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	Trawl net	1982-'83 Gill net	Total	1983-'84 Trawl net	1984-'85 Trawl net
1	2	3	4	5	6	7
1.	Elasmobranchs	—	—	—	—	—
a)	Sharks	381	—	381	119	—
b)	Skates	—	—	—	—	—
c)	Rays	512	—	512	208	11
2.	Eels	—	—	—	—	—
3.	Cat fishes	40	—	40	4	19
4.	Clupeids	—	—	—	—	—
a)	Wolf herring	100	1	101	43	6
b)	Oil sardine	—	—	—	1	—
c)	Other sardines	15	1	16	55	7

1	2	3	4	5	6	7
d)	Hilsa shad	—	—	—	—	—
e)	Other shads	7	—	7	2	—
f)	Anchovies					
	<i>Coilia</i>	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—
	<i>Stolephorus</i>	89	—	89	119	268
	<i>Thrissina</i>	—	—	—	—	—
	<i>Thryssa</i>	1,597	—	1,597	939	3,461
g)	Other clupeids	820	—	820	323	97
5.	Bombay duck	—	—	—	—	—
6.	Lizard fishes	50	—	50	20	11
7.	Half beaks & Full beaks	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—
9.	Perches					
a)	Rock cods	145	1	146	15	—
b)	Snappers	11	—	11	1	—
c)	Pig-face breams	9	—	9	9	—
d)	Threadfin breams	446	—	446	109	38
e)	Other perches	13	—	13	25	327
10.	Goat fishes	7	—	7	8	11
11.	Threadfins	1	—	1	1	1
12.	Croakers	753	—	753	438	420
13.	Ribbon fishes	35	—	35	4	—
14.	Carangids					
a)	Horse mackerel	—	—	—	—	—
b)	Scads	—	—	—	—	—
c)	Leather-jackets	5	—	5	5	—
d)	Other carangids	104	—	104	788	944
15.	Silver bellies	2,164	—	2,144	2,783	4,672
16.	Big-jawed jumper	61	2	63	10	—
17.	Pomfrets					
a)	Black pomfret	—	—	—	7	11
b)	Silver pomfret	2	—	2	—	—
c)	Chinese pomfret	—	—	—	—	—
18.	Mackerels					
a)	Indian mackerel	—	2	2	2	—
b)	Other mackerels	—	—	—	—	—
19.	Seer fishes	1	2	3		
a)	<i>S. commerson</i>	—	—	—	—	2
b)	<i>S. guttatus</i>	—	—	—	189	2
c)	<i>S. lineolatus</i>	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—
20.	Tunnies					
a)	<i>E. affinis</i>	—	—	—	—	—
b)	<i>Auxis</i> spp.	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—
21.	Bill fishes	—	—	—	—	—
22.	Barracudas	61	1	62	126	30
23.	Mullets	—	—	—	—	—

1	2	3	4	5	6	7
24.	Unicorn cod	—	—	—	—	—
25.	Flat fishes					
a)	Halibut	—	—	—	—	—
b)	Flounders	—	—	—	—	—
c)	Soles	44	—	44	4	—
26.	Crustaceans					
a)	Penaeid prawns	730	—	730	1,014	2,061
b)	Non-penaeid prawns	—	—	—	—	—
c)	Lobsters	11	—	11	—	—
d)	Crabs	16	—	16	—	5
e)	Stomatopods	12	—	12	—	—
27.	Cephalopods	10	—	10	5	1
28.	Miscellaneous	1,209	1	1,210	5,714	3,086
TOTAL		9,441	11	9,452	13,090	15,491

Table 7 (i). *Composition of marine fish landings from mechanised boats at Sakthikulangara during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1982-'83			1983-'84				1984-'85		
		Trawl net	Gill net	Total	Trawl net	Gill net	Hooks & lines	Total	Trawl net	Gill net	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	13	602	615	37	591	—	628	89	629	718
b)	Skates	1	8	9	—	12	—	12	—	6	6
c)	Rays	451	16	467	151	33	—	184	410	38	448
2.	Eels	11	—	11	—	—	—	—	—	—	—
3.	Cat fishes	2,588	270	2,858	2,094	413	—	2,507	1,779	662	2,441
4.	Clupeids										
a)	Wolf herring	—	—	—	—	1	—	1	10	—	10
b)	Oil sardine	762	2	764	1,836	15	—	1,851	187	—	187
c)	Other sardines	—	—	—	—	—	—	—	—	—	—
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—	—
f)	Anchovies										
	<i>Coilia</i>	—	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	680	—	680	130	—	—	130	462	—	462
	<i>Thryssina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	—	—	—	—	—	—	—	2	—	2
g)	Other clupeids	—	—	—	—	—	—	—	—	—	—
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	4,732	—	4,732	4,689	—	—	4,689	6,433	—	6,433
7.	Half beaks & Full beaks	—	3	3	—	6	—	6	—	19	19
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cod	—	—	—	—	—	254	254	—	2	2
b)	Snappers	1	2	3	—	3	—	3	—	—	—

1	2	3	4	5	6	7	8	9	10	11	12
c)	Pig-face breams	—	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	4,832	—	4,832	5,887	—	—	5,887	15,626	—	15,626
e)	Other perches	369	—	369	693	1	—	694	1,625	—	1,625
10.	Goat fishes	—	—	—	—	—	—	—	1	—	1
11.	Threadfins	—	—	—	—	—	—	—	—	—	—
12.	Croakers	1,325	8	1,333	2,554	6	—	2,560	3,729	6	3,735
13.	Ribbon fishes	54	23	77	15	—	—	15	25	6	31
14.	Carangids	—	—	—	—	—	—	—	—	—	—
a)	Horse mackerel	—	—	—	—	—	—	—	—	—	—
b)	Scads	22	3	25	66	5	—	71	316	23	339
c)	Leather-jackets	—	19	19	—	44	—	44	—	30	30
d)	Other carangids	16	69	85	116	97	—	213	96	118	214
15.	Silver bellies	702	—	702	583	—	—	583	466	—	466
16.	Big-jawed jumper	28	—	28	—	—	—	—	44	—	44
17.	Pomfrets	—	—	—	—	—	—	—	—	—	—
a)	Black pomfret	—	64	64	—	85	—	85	—	105	105
b)	Silver pomfret	—	3	3	7	19	—	26	—	3	3
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels	—	—	—	—	—	—	—	—	—	—
a)	Indian mackerel	6	70	76	—	126	—	126	5	294	299
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes	—	—	—	—	—	—	—	—	—	—
a)	<i>S. commerson</i>	—	38	38	—	276	—	276	—	794	794
b)	<i>S. guttatus</i>	—	167	167	—	30	—	30	—	26	26
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies	—	—	—	—	—	—	—	—	—	—
a)	<i>E. affinis</i>	—	329	329	—	1,025	5	1,030	—	789	789
b)	<i>Auxis</i> spp.	—	1	1	—	7	—	7	—	1	1
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	2	—	2	—	5	5
21.	Bill fishes	—	17	17	—	29	—	29	—	66	66
22.	Barracudas	37	—	37	56	4	—	60	24	3	27
23.	Mullets	—	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes	—	—	—	—	—	—	—	—	—	—
a)	Halibut	28	—	28	10	—	—	10	7	7	7
b)	Flounders	—	—	—	31	—	—	31	—	—	—
c)	Soles	1,978	—	1,978	2,504	—	—	2,504	3,774	—	3,774
26.	Crustaceans	—	—	—	—	—	—	—	—	—	—
a)	Penaeid prawns	9,425	—	9,425	8,175	—	—	8,175	14,577	—	14,577
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—
c)	Lobsters	11	—	11	13	—	—	13	23	—	23
d)	Crabs	33	—	33	30	—	—	30	62	—	62
e)	Stomatopods	2,068	—	2,068	1,297	—	—	1,297	1,925	—	1,925
27.	Cephalopods	1,289	—	1,289	806	—	—	806	3,514	19	3,533
28.	Miscellaneous	2,443	13	2,456	2,831	22	—	2,853	3,462	148	3,610
TOTAL		33,905	1,727	35,632	34,611	2,852	259	37,722	58,673	3,792	62,465

Table 7 (j). Composition of marine fish landings from mechanised boats at Cochin Fisheries Harbour during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	1982-'83					1983-'84						1984-'85					
		Trawl net	Drift/Gill net	Purse seine	Hooks & lines	Total	Trawl net	Drift/Gill net	Purse seine	Hooks & lines	Thangu vala (OBE)	Total	Trawl net	Drift/Gill net	Purse seine	Hooks & lines	Thangu vala (OBE)	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.	Elasmobranchs																	
a)	Sharks	9	454	—	—	463	9	446	7	7	—	469	3	341	—	5	1	350
b)	Skates	1	2	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—
c)	Rays	47	39	—	—	86	60	12	—	—	—	72	46	8	5	—	1	60
2.	Eels	—	3	—	—	3	—	1	—	—	—	1	1	—	—	—	—	1
3.	Cat fishes	280	361	87	1	729	353	257	84	—	—	694	889	476	319	—	1	1,685
4.	Clupeids																	
a)	Wolf herring	4	1	—	—	5	4	3	—	—	—	7	2	5	—	—	—	7
b)	Oil sardine	262	—	6,285	—	6,547	333	—	11,621	—	65	12,019	51	—	12,029	—	31	12,111
c)	Other sardines	—	—	152	—	152	—	—	388	—	—	388	—	—	664	—	—	664
d)	Hilsa shad	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
f)	Anchovies																	
	Coilia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Setipinna	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Stolephorus	248	—	260	—	508	592	—	63	—	7	662	36	—	49	—	101	186
	Thrissina	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Thryssa	22	—	—	—	22	51	—	—	—	—	51	10	—	—	—	—	10
g)	Other clupeids	4	—	31	—	35	8	—	115	—	—	123	—	—	3	—	7	10
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	343	—	—	—	343	172	—	—	—	—	172	342	—	—	—	—	342
7.	Half beaks & Full beaks	—	—	—	—	—	—	4	—	—	—	4	—	15	—	—	—	15
8.	Flying fishes	—	4	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—
9.	Perches																	
a)	Rock cods	—	9	—	10	19	—	20	—	13	—	33	11	26	—	42	1	80
b)	Snappers	—	—	—	4	4	6	7	—	6	—	19	—	14	—	14	1	29
c)	Pig-face brems	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
d)	Threadfin brems	3,268	—	—	—	3,268	1,029	—	1	—	—	1,030	5,348	—	—	—	—	5,348
e)	Other perches	157	4	6	—	167	210	2	—	—	—	212	198	2	1	—	—	201
10.	Goat fishes	2	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—
11.	Threadfins	—	4	3	—	7	—	—	6	—	—	6	—	—	—	—	—	—
12.	Croakers	394	—	2	—	396	445	—	11	—	—	456	543	—	28	—	—	571
13.	Ribbon fishes	77	1	2	—	80	12	—	—	—	—	12	8	—	—	—	—	8
14.	Carangids																	
a)	Horse mackerel	—	—	—	—	—	—	—	1	—	—	1	—	3	—	—	—	3
b)	Scads	—	—	1	—	1	32	1	—	—	—	33	19	13	485	—	—	517
c)	Leather-jackets	—	93	10	—	103	—	147	2	—	—	149	—	13	1	—	—	14
d)	Other carangids	54	86	79	—	219	105	50	385	—	—	540	99	90	267	—	—	456
15.	Silver bellies	72	—	4	—	76	98	—	—	—	—	98	37	—	—	—	5	42
16.	Big-jawed jumper	46	—	—	—	46	29	—	—	—	—	29	19	—	—	—	—	19
17.	Pomfrets																	
a)	Black pomfret	—	98	204	—	302	—	89	170	—	—	259	—	87	58	—	—	145
b)	Silver pomfret	14	18	—	—	32	22	15	—	—	—	37	—	7	31	—	—	38
c)	Chinese pomfret	1	7	—	—	8	—	—	—	—	—	—	—	—	—	—	—	—

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
18.	Mackerels																	
a)	Indian mackerel	2	46	1,901	—	1,949	22	28	1,328	—	—	1,378	11	82	2,825	—	—	2,918
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes																	
a)	<i>S. commerson</i>	—	280	—	—	280	—	432	—	—	—	432	—	630	1	—	1	632
b)	<i>S. guttatus</i>	—	46	1	—	47	—	5	—	—	—	5	—	23	—	—	—	23
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20.	Tunnies																	
a)	<i>E. affinis</i>	—	401	43	—	444	—	545	—	—	—	545	2	694	5	—	—	701
b)	<i>Auxis</i> spp.	—	294	—	—	294	—	114	—	—	—	114	—	136	—	—	—	136
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	7	—	—	7	—	4	—	—	—	4	—	26	—	—	—	26
e)	Other tunnies	—	5	—	—	5	—	11	—	—	—	11	—	25	—	—	—	25
21.	Bill fishes	—	12	—	—	12	—	7	—	—	—	7	—	25	—	—	—	25
22.	Barracudas	30	9	1	—	40	32	1	—	—	—	33	124	6	9	—	—	139
23.	Mullet	—	—	22	—	22	—	—	—	—	—	—	—	—	18	—	—	18
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes																	
a)	Halibut	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	2
b)	Flounders	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
c)	Soles	339	—	—	—	339	577	—	—	—	—	577	421	—	—	—	—	421
26.	Crustaceans																	
a)	Penaeid prawns	2,957	—	289	—	3,246	3,977	—	45	—	—	4,022	2,357	—	28	—	—	2,385
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
c)	Lobsters	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1
d)	Crabs	73	—	—	—	73	119	—	—	—	—	119	72	—	—	—	—	72
e)	Stomatopods	326	—	—	—	326	419	—	—	—	—	419	191	—	—	—	—	191
27.	Cephalopods	140	—	—	—	140	48	—	—	—	—	48	116	1	—	—	—	117
28.	Miscellaneous	111	3	—	—	114	101	18	—	—	—	119	71	13	—	—	—	84
TOTAL		9,284	2,287	9,383	15	20,969	8,865	2,219	14,227	26	72	25,409	11,030	2,761	16,826	61	150	30,828

Table 7 (k). Composition of marine fish landings from mechanised boats at Mangalore during 1983-'84 and 1984-'85.
(figures in tonnes)

Sl. No.	Name of fish	1983-'84				1984-'85			
		Trawl net	Gill net	Purse seine	Total	Trawl net	Gill net	Purse seine	Total
1	2	3	4	5	6	7	8	9	10
1.	Elasmobranchs								
a)	Sharks	62	77	15	154	5	16	—	21
b)	Skates	—	—	—	—	—	—	—	—
c)	Rays	28	—	—	28	2	—	—	2
2.	Eels	—	—	—	—	—	—	—	—
3.	Cat fishes	559	48	1,101	1,708	36	7	32	75
4.	Clupeids								
a)	Wolf herring	9	2	—	11	—	2	1	3
b)	Oil sardine	—	—	8,673	8,673	—	—	13,661	13,661
c)	Other sardines	—	—	1,892	1,892	—	—	867	867
d)	Hilsa shad	—	—	—	—	—	—	—	—
e)	Other shads	11	—	—	11	—	—	—	—
f)	Anchovies	17	—	24	41	—	—	—	—
	<i>Coilia</i>	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	71	—	4,173	4,244	31	—	3,973	4,004
	<i>Thrissina</i>	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	22	—	177	199	53	—	127	180
g)	Other clupeids	72	—	197	269	7	—	3,637	3,644
5.	Bombay duck	—	—	—	—	—	—	—	—
6.	Lizard fishes	643	—	—	643	112	—	—	112
7.	Half beaks & Full beaks	—	—	—	—	—	1	—	1
8.	Flying fishes	—	—	—	—	—	—	—	—
9.	Perches								
a)	Rock cods	—	—	1	1	—	—	—	—
b)	Snappers	58	—	—	58	—	—	—	—
c)	Pig-face breams	—	—	—	—	19	—	—	19
d)	Threadfin breams	1,264	—	19	1,283	309	—	—	309
e)	Other perches	236	6	—	242	302	—	—	302
10.	Goat fishes	—	—	—	—	—	—	—	—
11.	Threadfins	—	—	—	—	—	—	—	—
12.	Croakers	355	—	349	704	252	—	3	255
13.	Ribbon fishes	147	—	—	147	155	—	—	155
14.	Carangids								
a)	Horse mackerel	—	—	85	85	—	—	—	—
b)	Scads	—	—	—	—	—	—	463	463
c)	Leather-jackets	—	—	—	—	—	—	—	—
d)	Other carangids	321	1	378	700	140	—	161	301

1	2	3	4	5	6	7	8	9	10
15.	Silver bellies	210	—	99	309	98	—	23	121
16.	Big-jawed jumper	127	—	—	127	32	—	—	32
17.	Pomfrets								
a)	Black pomfret	2	5	—	7	—	10	23	33
b)	Silver pomfret	71	2	—	73	11	4	1	16
c)	Chinese pomfret	—	—	—	—	—	—	—	—
18.	Mackerels								
a)	Indian mackerel	1	—	1,053	1,054	—	1	3,933	3,934
b)	Other mackerels	—	—	—	—	—	—	—	—
19.	Seer fishes						80		80
a)	<i>S. commerson</i>	7	131	4	142	—	105	—	105
b)	<i>S. guttatus</i>	—	28	—	28	—	8	—	8
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—
20.	Tunnies								
a)	<i>E. affinis</i>	—	38	73	111	—	1	3	4
b)	<i>Auxis</i> spp.	—	—	—	—	—	1	—	1
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	11	—	11
e)	Other tunnies	—	—	—	—	—	9	—	9
21.	Bill fishes	—	—	—	—	—	—	—	—
22.	Barracudas	25	—	13	38	—	—	—	—
23.	Mullets	—	—	8	8	—	—	20	20
24.	Unicorn cod	—	—	—	—	—	—	—	—
25.	Flat fishes								
a)	Halibut	—	—	—	—	—	—	—	—
b)	Flounders	—	—	—	—	—	—	—	—
c)	Soles	732	—	2	734	992	—	45	1,037
26.	Crustaceans								
a)	Penaeid prawns	1,283	—	604	1,887	1,011	—	123	1,134
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—
c)	Lobsters	—	—	—	—	—	—	—	—
d)	Crabs	226	—	—	226	32	—	—	32
e)	Stomatopods	1,884	—	—	1,884	1,503	—	—	1,503
27.	Cephalopods	175	—	—	175	145	—	—	145
28.	Miscellaneous	577	3	—	580	117	—	—	117
TOTAL		9,195	341	18,940	28,476	5,364	256	27,096	32,716
No. of operations of fishing units		38,893	2,830	9,644		21,522	2,584	10,391	

Table 7 (I). *Composition of marine fish landings from mechanised boats at New Ferry Wharf, Bombay during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1982-'83			1983-'84			1984-'85			
		Trawl net	Dol net	Total	Trawl net	Dol net	Total	Trawl net	Dol net	Gill net	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	1,120	—	1,120	1,380	—	1,380	920	—	9	929
b)	Skates	1,508	—	1,508	2,142	—	2,142	861	—	—	861
c)	Rays	1,854	—	1,854	2,193	—	2,193	951	—	1	952
2.	Eels	3,466	—	3,466	2,115	—	2,115	2,552	—	—	2,552
3.	Cat fishes	1,784	2	1,786	2,069	2	2,071	1,247	2	2	1,251
4.	Clupeids										
a)	Wolf herring	505	—	505	396	—	396	352	—	—	352
b)	Oil sardine	—	—	—	—	—	—	14	—	—	14
c)	Other sardines	—	—	—	—	—	—	1	—	—	1
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	3	—	3	50	—	3	53
f)	Anchovies										
	<i>Coilia</i>	394	2	396	836	16	852	1,556	13	—	1,569
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	—	15	15	—	22	22	—	48	—	48
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	122	—	122	6	2	8	22	—	—	22
g)	Other clupeids	570	2	572	478	32	510	209	4	—	213
5.	Bombay duck	200	5	205	404	20	424	712	2	—	714
6.	Lizard fishes	279	—	279	676	—	676	642	—	—	642
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	131	—	131	15	—	15	62	—	—	62
b)	Snappers	5	—	5	377	—	377	258	—	—	258
c)	Pig-face breams	—	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	1,601	—	1,061	1,567	—	1,567	1,258	—	—	1,258
e)	Other perches	1,006	—	1,006	673	—	673	172	15	—	187
10.	Goat fishes	644	—	644	792	—	792	448	—	—	448
11.	Threadfins	45	—	45	83	—	83	214	—	—	214
12.	Croakers	4,221	—	4,221	4,447	4	4,451	4,728	10	—	4,738
13.	Ribbon fishes	1,622	—	1,622	1,669	4	1,673	1,547	2	—	1,549
14.	Carangids										
a)	Horse mackerel	—	—	—	151	—	151	63	—	—	63
b)	Scads	—	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	129	—	129	112	—	112	119	—	—	119
d)	Other carangids	895	—	895	953	—	953	300	—	1	301

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	—	—	—	—	—	—	—	—	—	—
16.	Big-jawed jumper	711	—	711	651	—	651	164	—	—	164
17.	Pomfrets										
a)	Black pomfret	131	—	131	73	—	73	27	—	2	29
b)	Silver pomfret	220	—	220	234	—	234	290	—	2	292
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	51	—	51	220	—	220	152	—	—	152
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	529	—	529	412	—	412	733	—	24	757
b)	<i>S. guttatus</i>	—	—	—	239	—	239	93	—	—	93
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	—	—	—	756	—	756	313	—	30	343
b)	<i>Auxis</i> spp.	—	—	—	870	—	870	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	1,257	—	1,257	151	—	151	111	—	1	112
21.	Bill fishes	—	—	—	—	—	—	—	—	1	1
22.	Barracudas	—	—	—	—	—	—	—	—	—	—
23.	Mulletts	—	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	2	2	—	—	—	—
25.	Flat fishes										
a)	Halibut	477	—	477	565	—	565	395	—	—	395
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	184	—	184	327	—	327	474	—	—	474
26.	Crustaceans										
a)	Penaeid prawns	8,886	1	8,887	9,808	13	9,821	12,501	45	—	12,546
b)	Non-penaeid prawns	9	35	44	133	108	241	458	151	—	609
c)	Lobsters	211	—	211	144	—	144	318	—	—	318
d)	Crabs	—	—	—	122	4	126	224	1	—	225
e)	Stomatopods	164	1	165	—	—	—	—	—	—	—
27.	Cephalopods	2,473	—	2,473	3,149	—	3,149	2,331	—	—	2,331
28.	Miscellaneous	674	14	688	654	27	681	813	25	1	839
TOTAL		37,538	77	37,615	42,045	256	42,301	38,655	319	77	39,051
No. of operations of fishing units		22,047	533	—	25,309	1,751	—	23,321	1,698	147	—

Table 7 (m). Composition of marine fish landings from mechanised boats at Sassoon Docks, Bombay during 1982-'83, 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	1982-'83					1983-'84					1984-'85				
		Trawl net	Dol net	Gill net	Hooks & lines	Total	Trawl net	Dol net	Gill net	Hooks & lines	Total	Trawl net	Dol net	Gill net	Hooks & lines	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Elasmobranchs															
a)	Sharks	1,020	3	212	70	1,305	857	—	208	68	1,133	1,139	2	223	90	1,454
b)	Skates	306	—	38	—	344	161	—	12	1	174	171	—	33	—	204
c)	Rays	444	—	72	4	520	270	—	62	3	335	329	—	74	15	418
2.	Eels	154	—	35	132	321	34	—	4	60	98	36	—	1	92	129
3.	Cat fishes	3,231	7	212	134	3,584	1,546	—	213	170	1,929	1,619	—	221	134	1,974
4.	Clupeids															
a)	Wolf herring	322	7	95	—	424	257	25	136	—	418	262	6	108	—	376
b)	Oil sardine	87	—	—	—	87	—	—	—	—	—	18	20	—	—	38
c)	Other sardines	49	1	—	—	50	7	2	—	—	9	6	3	10	—	19
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
e)	Other shads	151	—	149	—	300	35	—	70	—	105	36	—	65	—	101
f)	Anchovies															
	Coilia	757	68	—	—	825	717	71	—	—	788	435	49	—	—	484
	Setipinna	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Stolephorus	—	—	—	—	—	—	63	—	—	63	—	16	—	—	16
	Thrissina	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Thryssa	386	17	1	—	404	222	19	—	—	241	327	23	—	—	350
g)	Other clupeids	236	36	47	—	319	289	26	60	—	335	301	17	75	—	397
5.	Bombay duck	3	220	—	—	223	129	204	—	—	333	27	510	—	—	537
6.	Lizard fishes	616	—	—	—	616	506	—	—	—	506	647	—	—	—	647
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9.	Perches															
a)	Rock cods	54	—	—	—	54	17	—	—	—	17	31	—	1	—	32
b)	Snappers	—	—	—	—	—	—	—	—	5	5	70	—	11	5	86
c)	Pig-face brems	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
d)	Threadfin brems	3,139	1	—	—	3,140	1,713	—	—	—	1,713	1,831	—	—	—	1,831
e)	Other perches	378	—	3	2	383	119	—	5	11	135	55	—	6	17	78
10.	Goat fishes	744	—	—	—	744	301	—	—	—	301	328	—	—	—	328
11.	Threadfins	335	—	28	7	370	275	—	4	1	280	49	—	—	—	49
12.	Croakers	2,576	30	176	50	2,823	1,761	25	58	30	1,874	2,075	45	52	47	2,219
13.	Ribbon fishes	2,074	71	—	—	2,145	785	36	—	—	821	1,074	74	6	—	1,154
14.	Carangids															
a)	Horse mackerel	9	—	34	—	43	—	—	23	—	23	2	—	43	—	45
b)	Scads	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	9	—	30	—	39	1	—	31	—	32	1	—	40	—	41
d)	Other carangids	361	3	7	—	371	188	5	—	—	193	179	—	—	—	179
15.	Silver bellies	9	—	—	—	9	3	—	—	—	3	—	—	—	—	—
16.	Big-jawed jumper	522	—	2	—	524	344	—	—	—	344	127	—	—	—	127
17.	Pomfrets															
a)	Black pomfret	44	3	244	—	291	1	—	104	—	105	10	—	133	—	143
b)	Silver pomfret	718	48	215	—	981	437	48	160	—	645	320	48	140	—	508
c)	Chinese pomfret	1	12	—	—	13	—	—	—	—	—	—	—	—	—	—

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
18.	Mackerels															
a)	Indian mackerel	13	—	4	—	17	—	—	—	—	—	26	—	14	—	40
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes															
a)	<i>S. commerson</i>	130	—	173	—	303	13	—	75	—	88	112	—	92	—	204
b)	<i>S. guttatus</i>	84	—	48	—	132	165	5	170	—	340	193	2	93	1	289
20.	Tunnies															
a)	<i>E. affinis</i>	—	—	—	—	—	14	—	233	—	247	7	—	410	—	417
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	95	—	314	—	409	—	—	11	—	11	—	—	—	—	—
21.	Bill fishes	—	—	113	—	113	2	—	82	—	84	—	—	99	1	100
22.	Barracudas	79	—	—	—	79	59	—	—	—	59	191	—	—	—	191
23.	Mullets	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—
25.	Flat fishes															
a)	Halibut	122	—	—	—	122	52	—	1	—	53	66	—	10	—	76
b)	Flounders	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
c)	Soles	416	—	—	—	416	202	—	—	—	202	160	—	—	—	160
26.	Crustaceans															
a)	Penaeid prawns	12,829	168	—	—	12,997	12,078	339	—	—	12,417	17,629	195	—	—	17,824
b)	Non-penaeid prawns	185	1,144	—	—	1,329	239	1,077	—	—	1,316	97	937	—	—	1,034
c)	Lobsters	295	1	4	—	300	196	—	—	—	196	327	—	—	—	327
d)	Crabs	83	—	—	—	83	91	—	—	—	91	75	—	—	—	75
e)	Stomatopods	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27.	Cephalopods	1,989	2	—	—	1,991	2,123	1	—	—	2,124	4,953	—	—	—	4,953
28.	Miscellaneous	634	69	48	6	757	394	54	41	5	494	484	57	37	9	587
TOTAL		35,689	1,911	2,295	405	40,300	26,603	2,001	1,763	354	30,721	35,825	2,004	1,997	411	40,237
No. of operations of fishing units		23,305	13,112	3,502	1,705	—	21,928	14,490	3,916	1,518	—	22,753	14,430	3,711	1,620	42,514

Table 7 (u). Composition of marine fish landings from mechanised boats at Veraval during 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	1983-'84 Trawl net	1983-'84 Gill net	Total	1984-'85 Trawl net	1984-'85 Gill net	Total
1	2	3	4	5	6	7	8
1.	Elasmobranchs						
a)	Sharks	213	169	382	237	539	776
b)	Skates	154	—	154	322	—	322
c)	Rays	589	107	696	415	35	450
2.	Eels	988	—	988	936	2	938
3.	Cat fishes	444	112	556	322	213	553
4.	Clupeids						
a)	Wolf herring	300	266	566	198	312	510
b)	Oil sardine	—	—	—	—	—	—
c)	Other sardines	—	59	59	—	10	10
d)	Hilsa shad	—	69	69	—	27	27
e)	Other shads	—	347	347	—	820	820
f)	Anchovies						
	<i>Coilia</i>	691	—	691	368	—	368
	<i>Setipinna</i>	—	—	—	—	—	—
	<i>Stolephorus</i>	—	—	—	—	—	—
	<i>Thrissina</i>	—	—	—	—	—	—
	<i>Thryssa</i>	1,202	24	1,226	566	7	573
g)	Other clupeids	274	125	399	581	241	822
5.	Bombay duck	164	4	168	82	—	82
6.	Lizard fishes	1,322	—	1,322	622	6	628
7.	Half beaks & Full beaks	—	3	3	—	15	15
8.	Flying fishes	—	—	—	—	—	—
9.	Perches						
a)	Rock cods	408	—	408	364	1	365
b)	Snappers	540	2	542	204	4	208
c)	Pig-face breams	—	—	—	101	—	101
d)	Threadfin breams	1,090	4	1,094	2,400	—	2,400
e)	Other perches	1,641	—	1,641	1,108	2	1,110
10.	Goat fishes	699	—	699	299	—	299
11.	Thread fins	677	7	684	702	41	743
12.	Croakers	7,504	67	7,571	9,191	222	9,413
13.	Ribbon fishes	2,160	122	2,282	2,488	258	2,746
14.	Carangids						
a)	Horse mackerel	2	71	73	46	146	192
b)	Scads	39	31	70	—	—	—
c)	Leather-jackets	11	9	20	6	53	59
d)	Other carangids	79	3	82	188	49	237
15.	Silver bellies	329	—	329	457	—	457
16.	Big-jawed jumper	4,750	—	4,750	2,649	—	2,649
17.	Pomfrets						
a)	Black pomfret	31	76	107	180	132	312
b)	Silver pomfret	131	79	210	200	88	288
c)	Chinese pomfret	—	—	—	—	—	—

1	2	3	4	5	6	7	8
18.	Mackerels						
a)	Indian mackerel	—	—	—	30	18	48
b)	Other mackerels	—	—	—	—	—	—
19.	Seer fishes						
a)	<i>S. commerson</i>	—	—	—	50	162	212
b)	<i>S. guttatus</i>	101	237	338	37	458	495
c)	<i>S. lineolatus</i>	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—
20.	Tunnies						
a)	<i>E. affinis</i>	—	72	72	8	290	298
b)	<i>Auxis</i> spp.	—	—	—	—	5	5
c)	<i>K. pelamis</i>	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	29	29
21.	Bill fishes	103	—	103	—	5	5
22.	Barracudas	211	—	211	85	1	86
23.	Mullets	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—
25.	Flat fishes						
a)	Halibut	170	3	173	353	23	376
b)	Flounders	—	—	—	—	—	—
c)	Soles	1,049	—	1,049	3,284	—	3,284
26.	Crustaceans						
a)	Penaeid prawns	1,378	—	1,378	3,091	—	3,091
b)	Non-penaeid prawns	435	—	435	891	—	891
c)	Lobsters	139	1	140	287	—	287
d)	Crabs	2,327	—	2,327	5,151	—	5,151
e)	Stomatopods	474	—	474	981	—	981
27.	Cephalopods	2,276	—	2,276	1,673	—	2,673
28.	Miscellaneous	2,883	26	2,909	4,164	8	4,172
TOTAL		37,978	2,095	40,073	45,317	4,240	49,557

Table 8 (a). Composition of marine fish landings from mechanised boats at Visakhapatnam Outer Harbour during 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	1	5	4	1	11	8	1	—	—	9
b)	Skates	8	10	12	3	33	6	9	9	3	27
c)	Rays	12	24	23	13	72	44	31	17	5	97
2.	Eels	3	2	19	18	42	20	29	40	12	101
3.	Cat fishes	21	67	14	32	134	14	63	30	19	126
4.	Clupeids										
a)	Wolf herring	—	5	1	1	7	—	4	4	—	8
b)	Oil sardine	—	—	—	—	—	—	—	—	—	—
c)	Other sardines	—	—	—	35	35	1	—	—	—	1

1	2	3	4	5	6	7	8	9	10	11	12
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—	—
f)	Anchovies										
	<i>Coilia</i>	—	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	8	37	96	43	184	2	66	29	—	97
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	6	44	5	1	56	24	43	26	1	94
g)	Other clupeids	3	—	—	20	23	9	—	—	3	12
5.	Bombay duck	—	1	1	—	2	1	2	—	—	3
6.	Lizard fishes	93	321	115	60	589	98	251	145	53	547
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	—	1	—	1	—	—	—	—	—
b)	Snappers	—	—	—	—	—	—	—	—	—	—
c)	Pig-face breams	—	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	852	102	204	261	1,419	109	157	138	132	536
e)	Other perches	343	254	155	234	986	212	227	100	124	663
10.	Goat fishes	54	135	44	17	250	43	116	102	44	305
11.	Threadfins	1	14	22	7	44	5	22	24	3	54
12.	Croakers	63	117	315	100	595	97	206	215	47	565
13.	Ribbon fishes	8	411	233	21	673	18	374	154	10	556
14.	Carangids										
a)	Horse mackerel	—	2	—	—	2	—	—	—	—	—
b)	Scads	149	12	—	146	307	30	7	—	34	71
c)	Leather-jackets	—	—	—	—	—	—	—	—	—	—
d)	Other carangids	12	35	2	1	50	—	16	9	1	26
15.	Silver bellies	68	248	174	46	536	48	144	78	50	320
16.	Big-jawed jumper	—	81	62	—	143	12	19	20	—	51
17.	Pomfrets										
a)	Black pomfret	—	3	1	—	4	1	2	5	—	8
b)	Silver pomfret	1	1	1	—	3	—	12	21	—	33
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	10	69	11	2	92	1	8	—	1	10
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	—	—	—	—	—	—	—	—	—	—
b)	<i>S. guttatus</i>	—	1	—	—	1	—	—	—	—	—
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	—	—	—	—	—	—	—	—	—	—
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	8	—	—	—	8
e)	Other tunnies	—	—	—	—	—	—	—	—	—	—
21.	Bill fishes	—	—	—	—	—	—	—	—	—	—
22.	Barracudas	2	3	—	—	5	—	7	—	—	7
23.	Mullets	—	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—

1	2	3	4	5	6	7	8	9	10	11	12
25.	Flat fishes										
a)	Halibut	—	—	1	1	2	1	2	5	1	9
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	17	16	15	12	60	45	25	12	6	88
26.	Crustaceans										
a)	Penaeid prawns	77	482	316	233	1,108	187	236	382	85	890
b)	Non-penaeid prawns	6	41	—	2	49	7	38	3	2	50
c)	Lobsters	—	—	—	—	—	—	—	—	—	—
d)	Crabs	109	154	56	83	402	219	152	104	56	531
e)	Stomatopods	5	22	17	36	80	68	80	59	20	227
27.	Cephalopods	81	71	56	31	239	21	78	30	11	140
28.	Miscellaneous	10	15	17	15	57	17	24	19	8	68
TOTAL		2,023	2,805	1,993	1,475	8,296	1,376	2,451	1,780	731	6,338
No. of operations of fishing units		7,644	12,541	7,532	5,728	33,445	10,443	11,496	5,432	3,891	31,262

Table 8 (b). *Composition of marine fish landings from mechanised boats at Kakinada Fisheries Harbour during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. 83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	19	16	5	16	56	2	16	6	15	39
b)	Skates	6	4	12	23	45	10	31	13	49	103
c)	Rays	30	73	65	83	251	35	86	41	165	327
2.	Eels	39	64	41	87	231	38	36	35	68	177
3.	Cat fishes	29	57	42	109	237	13	43	73	149	278
4.	Clupeids										
a)	Wolf herring	—	2	—	1	3	—	1	—	—	1
b)	Oil sardine	—	—	—	—	—	—	—	—	—	—
c)	Other sardines	15	2	—	18	35	6	—	1	7	14
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	5	3	—	—	8
f)	Anchovies										
	<i>Coilia</i>	—	7	2	—	9	6	7	1	—	14
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	98	140	168	315	721	228	287	202	220	937
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	18	107	84	139	348	106	131	101	155	493
g)	Other clupeids	22	23	30	87	162	46	76	16	52	190
5.	Bombay duck	—	70	13	—	83	25	70	2	—	97
6.	Lizard fishes	44	99	72	117	332	15	175	137	121	448
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	1	2	—	3	3	3	—	—	6
b)	Snappers	3	2	5	1	11	9	8	5	26	48

1	2	3	4	5	6	7	8	9	10	11	12
c)	Pig-face breams	—	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	145	180	84	643	1,052	17	99	291	300	707
e)	Other perches	143	219	97	1,135	1,594	68	172	157	513	910
10.	Goat fishes	61	42	20	54	177	31	107	45	65	248
11.	Threadfins	2	20	13	30	65	12	24	17	55	108
12.	Croakers	144	355	277	364	1,140	167	291	188	573	1,219
13.	Ribbon fishes	316	684	210	214	1,424	176	454	212	237	1,079
14.	Carangids										
a)	Horse mackerel	—	—	—	—	—	—	—	—	—	—
b)	Scads	45	11	1	1,292	1,349	1	27	33	496	557
c)	Leather-jackets	—	—	—	—	—	—	—	—	—	—
d)	Other carangids	14	113	27	47	201	39	68	47	53	207
15.	Silver bellies	307	762	331	600	2,000	333	414	271	395	1,413
16.	Big-jawed jumper	3	121	33	7	164	7	20	7	12	46
17.	Pomfrets										
a)	Black pomfret	2	3	2	—	7	—	1	—	—	1
b)	Silver pomfret	—	4	1	—	5	2	13	3	8	26
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	5	21	6	9	41	22	5	2	7	36
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	2	—	—	—	2	—	—	—	—	—
b)	<i>S. guttatus</i>	—	2	—	—	2	—	1	—	—	1
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	—	—	—	—	—	—	—	—	—	—
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—	—
21.	Bill fishes										
22.	Barracudas	41	20	5	45	111	4	7	13	64	88
23.	Mullets	—	—	1	—	1	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	—	4	3	4	11	1	7	6	14	28
b)	Flounders	60	1	7	9	77	1	15	1	16	33
c)	Soles	78	99	69	108	354	37	57	40	102	236
26.	Crustaceans										
a)	Penaeid prawns	376	789	700	1,096	2,961	568	710	414	696	2,388
b)	Non-penaeid prawns	419	1,736	299	1	2,455	127	317	61	25	530
c)	Lobsters	—	—	—	—	—	—	1	2	2	5
d)	Crabs	157	286	123	195	761	112	112	85	146	455
e)	Stomatopods	94	145	64	98	401	81	52	43	74	250
27.	Cephalopods	34	38	42	70	184	19	43	31	47	140
28.	Miscellaneous	106	77	53	91	227	58	81	43	66	248
TOTAL		2,877	6,399	3,009	7,108	19,393	2,430	4,071	2,645	4,993	14,139
No. of operations of fishing units		10,194	14,276	8,612	15,181	48,263	9,046	12,014	6,022	9,499	36,581

Table 8 (c). *Composition of marine fish landings from mechanised boats at Pudumanikuppam during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	2	13	4	4	23	181	156	28	93	458
b)	Skates	2	10	5	7	24	64	15	2	12	93
c)	Rays	24	13	10	7	54	25	38	18	39	120
2.	Eels	—	—	—	—	—	5	—	—	—	5
3.	Cat fishes	4	3	8	2	17	173	99	4	9	285
4.	Clupeids										
a)	Wolf herring	—	—	2	1	3	26	12	1	3	42
b)	Oil sardine	—	—	—	—	—	—	—	—	—	—
c)	Other sardines	—	—	5	4	9	—	—	—	—	—
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—	—
f)	Anchovies										
	<i>Coilia</i>	—	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	20	54	13	—	87	18	55	152	8	233
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	3	1	6	7	17	37	—	5	1	43
g)	Other clupeids	2	—	—	14	16	—	—	1	1	2
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	86	137	52	13	288	165	257	390	115	927
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	—	—	—	—	73	80	7	42	202
b)	Snappers	—	4	—	—	4	71	39	54	29	193
c)	Pig-face breams	—	—	—	4	4	—	—	—	—	—
d)	Threadfin breams	295	531	121	324	1,271	192	159	262	73	686
e)	Other perches	256	197	60	164	677	86	68	66	53	273
10.	Goat fishes	13	19	26	4	62	30	11	34	24	99
11.	Threadfins	2	5	8	2	17	16	10	4	14	44
12.	Croakers	52	59	207	87	405	121	82	100	32	335
13.	Ribbon fishes	17	54	80	13	164	233	177	164	35	609
14.	Carangids										
a)	Horse mackerel	—	—	—	—	—	—	—	—	—	—
b)	Scads	73	179	27	115	394	29	9	—	14	52
c)	Leather-jackets	2	6	6	1	15	22	—	—	59	81
d)	Other carangids	10	22	3	2	37	156	75	196	77	504

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	400	429	384	319	1,532	364	280	382	192	1,218
16.	Big-jawed jumper	—	—	2	—	2	16	33	—	4	53
17.	Pomfrets										
a)	Black pomfret	—	1	—	—	1	17	21	20	9	67
b)	Silver pomfret	4	—	4	2	10	32	38	59	9	138
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	1	58	2	2	63	6	—	—	—	6
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	15	25	1	5	46	78	90	3	53	224
b)	<i>S. guttatus</i>	—	1	—	3	4	42	48	128	46	264
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	2	5	—	2	9	31	15	80	27	153
b)	<i>Auxis</i> spp.	1	—	—	—	1	7	20	13	—	40
c)	<i>K. pelamis</i>	13	—	—	—	13	32	2	1	9	44
d)	<i>T. tonggol</i>	—	—	—	1	1	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—	—
21.	Bill fishes	10	12	—	1	23	19	28	11	19	77
22.	Barracudas	2	42	9	2	55	32	17	58	17	124
23.	Mulletts	—	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	—	—	3	—	3	3	—	20	1	24
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	5	8	8	3	24	7	7	9	—	23
26.	Crustaceans										
a)	Penaeid prawns	217	176	216	161	770	156	91	101	62	410
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—
c)	Lobsters	31	14	11	12	68	36	54	38	2	130
d)	Crabs	44	14	33	43	134	86	45	116	—	247
e)	Stomatopods	2	3	16	14	35	—	—	—	—	—
27.	Cephalopods	70	278	17	53	418	54	37	52	22	165
28.	Miscellaneous	421	432	1,309	446	2,608	144	141	149	107	541
TOTAL		2,101	2,805	2,658	1,844	9,408	2,885	2,309	2,728	1,312	9,234
No. of operations of fishing units		8,763	8,677	7,312	5,981	30,733	9,880	10,216	10,441	7,977	38,514

Table 8 (d). *Composition of marine fish landings from mechanised boats at Cuddalore Fisheries Harbour during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	7	36	4	37	84	48	27	2	53	130
b)	Skates	—	—	—	—	—	—	—	—	—	—
c)	Rays	—	—	—	11	11	12	—	—	10	22
2.	Eels	—	—	—	—	—	—	—	—	—	—
3.	Cat fishes	—	—	—	—	—	—	—	—	—	—
4.	Clupeids										
a)	Wolf herring	—	—	—	—	—	—	—	—	—	—
b)	Oil sardine	—	—	—	—	—	—	—	—	—	—
c)	Other sardines	—	—	—	—	—	—	—	—	—	—
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—	—
f)	Anchovies										
	<i>Coilia</i>	—	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	55	112	11	—	178	123	12	2	1	138
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	8	—	23	24	55	—	16	—	4	20
g)	Other clupeids	—	48	25	16	89	44	11	21	20	96
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	172	122	34	47	375	121	120	66	19	326
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	—	—	—	—	—	—	—	—	—
b)	Snappers	—	—	—	—	—	—	—	—	—	—
c)	Pig-face brems	—	—	—	—	—	—	—	—	—	—
d)	Threadfin brems	153	76	10	17	256	25	69	46	12	152
e)	Other perches	117	31	—	—	148	43	43	11	—	97
10.	Goat fishes	34	—	2	2	38	13	7	13	—	33
11.	Threadfins	—	6	—	—	6	—	—	—	—	—
12.	Croakers	3	14	32	50	99	87	74	55	53	269
13.	Ribbon fishes	—	9	16	2	27	—	—	—	7	7
14.	Carangids										
a)	Horse mackerel	—	—	—	—	—	—	—	—	—	—
b)	Scads	—	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	—	1	—	3	4	—	4	—	4	4
d)	Other carangids	—	9	—	2	11	26	18	—	1	45

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	464	414	302	260	1,440	282	267	160	122	831
16.	Big-jawed jumper	—	—	—	—	—	—	—	—	—	—
17.	Pomfrets										
a)	Black pomfret	—	—	—	—	—	—	—	—	—	—
b)	Silver pomfret	—	—	—	—	—	—	—	—	—	—
c)	Chinese pomfret	—	1	—	—	1	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	—	4	—	—	4	—	—	—	—	—
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	13	83	5	35	136	52	19	8	22	101
b)	<i>S. guttatus</i>	—	—	—	—	—	—	—	—	—	—
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	5	19	—	23	47	21	23	2	16	62
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	19	—	—	—	19	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—	—
21.	Bill fishes	4	—	—	3	7	18	2	3	1	24
22.	Barracudas	—	—	—	5	5	—	—	—	—	—
23.	Mullets	—	—	—	—	—	—	11	—	—	11
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	—	—	—	—	—	—	—	—	—	—
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	5	6	—	—	11	—	1	3	12	16
26.	Crustaceans										
a)	Penaeid prawns	67	40	60	129	296	134	113	42	74	363
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—
c)	Lobsters	—	—	—	—	—	—	—	—	—	—
d)	Crabs	19	1	37	7	64	26	38	24	14	102
e)	Stomatopods	—	—	7	19	26	—	8	4	—	12
27.	Cephalopods	39	31	10	4	84	6	21	3	1	31
28.	Miscellaneous	53	49	44	27	173	34	34	10	6	84
TOTAL		1,237	1,112	622	723	3,694	1,115	934	475	452	2,976
No. of operations of fishing units		3,887	3,126	3,014	2,462	12,489	2,948	2,909	1,870	2,687	10,414

Table 8 (e). *Composition of marine fish landings from mechanised boats at Nagapattinam during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	—	—	—	—	—	17	21	—	3	41
b)	Skates	—	—	—	1	1	—	—	—	—	—
c)	Rays	142	200	112	150	604	100	67	137	57	361
2.	Eels	6	3	6	12	27	—	—	2	3	5
3.	Cat fishes	21	44	75	10	150	82	13	47	—	142
4.	Clupeids										
a)	Wolf herring	2	—	1	6	9	—	—	—	—	—
b)	Oil sardine	—	—	—	—	—	1	—	1	—	2
c)	Other sardines	—	—	4	—	4	2	—	—	—	2
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—	—
f)	Anchovies										
	<i>Coilla</i>	3	90	311	127	531	33	37	156	33	259
	<i>Settipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	59	512	14	303	888	120	129	32	57	338
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	47	55	115	192	409	129	46	109	57	341
g)	Other clupeids	104	192	160	270	726	214	119	102	76	511
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	81	135	24	28	268	51	132	51	49	283
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	—	—	—	—	—	—	—	—	—
b)	Snappers	—	—	—	—	—	—	—	—	—	—
c)	Pig-face breams	—	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	169	255	32	11	467	55	128	109	12	304
e)	Other perches	88	482	29	2	601	14	118	45	45	222
10.	Goat fishes	27	31	12	80	79	15	2	32	9	58
11.	Threadfins	—	—	—	—	—	2	—	4	3	9
12.	Croakers	204	383	495	484	1,566	393	130	439	96	1,058
13.	Ribbon fishes	9	19	65	160	253	44	9	49	8	110
14.	Carangids										
a)	Horse mackerel	—	—	—	—	—	—	—	—	—	—
b)	Scads	—	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	—	—	—	—	—	—	4	—	—	4
d)	Other carangids	78	161	48	41	328	77	109	93	14	293

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	626	1,289	394	716	3,025	418	407	412	535	1,772
16.	Big-jawed jumper	—	2	1	1	4	7	8	—	2	17
17.	Pomfrets										
a)	Black pomfret	—	11	—	2	13	—	1	—	—	1
b)	Silver pomfret	—	4	22	11	37	17	—	9	11	37
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	—	4	2	2	8	7	—	—	—	7
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	—	3	—	2	5	—	—	—	1	1
b)	<i>S. guttatus</i>	—	—	1	—	1	—	—	—	—	—
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	—	—	—	—	—	—	—	—	—	—
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—	—
21.	Bill fishes	—	—	—	—	—	—	—	—	—	—
22.	Barracudas	36	35	12	15	98	20	3	20	17	60
23.	Mulletts	—	—	—	—	—	22	—	—	—	22
24.	Unicorn cod	—	—	—	—	—	—	—	—	16	16
25.	Flat fishes										
a)	Halibut	30	59	13	5	107	21	—	36	—	57
b)	Flounders	—	—	—	—	—	26	—	—	—	26
c)	Soles	39	53	69	59	220	54	65	80	21	220
26.	Crustaceans										
a)	Penaeid prawns	161	223	259	900	1,543	367	121	378	207	1,073
b)	Non-penaeid prawns	—	—	—	42	42	85	—	—	37	122
c)	Lobsters	4	8	3	—	15	—	16	5	2	23
d)	Crabs	50	53	179	120	402	183	35	212	20	450
e)	Stomatopods	—	—	1	—	1	—	—	4	—	4
27.	Cephalopods	34	21	3	7	65	9	54	5	18	86
28.	Miscellaneous	52	84	66	155	357	129	190	88	121	528
TOTAL		2,072	4,411	2,528	3,843	12,854	2,714	1,964	2,657	1,530	8,865
No. of operations of fishing units		4,406	6,753	5,219	17,069	33,447	10,682	12,499	7,417	10,431	41,029

Table 8 (f). *Composition of marine fish landings from mechanised boats at Mandapam during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	—	—	—	1	1	—	—	—	—	—
b)	Skates	—	—	—	—	—	—	—	—	—	—
c)	Rays	28	40	74	66	208	173	45	50	64	332
2.	Eels	4	—	—	—	4	—	—	—	—	—
3.	Cat fishes	8	14	15	13	50	26	17	5	12	60
4.	Clupeids										
a)	Wolf herring	2	1	—	2	5	—	—	—	—	—
b)	Oil sardine	10	5	1	11	27	6	—	—	—	6
c)	Other sardines	3	4	12	22	41	21	11	10	22	64
d)	Hilsa shad	2	—	5	1	8	—	—	—	—	—
e)	Other shads	—	3	—	11	14	30	2	—	1	33
f)	Anchovies										
	<i>Coilia</i>	—	—	—	2	2	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	—	2	—	1	3	2	1	1	—	4
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	5	3	3	3	14	7	11	3	2	23
g)	Other clupeids	10	12	12	8	42	7	8	5	11	31
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	1	1	2	2	6	—	—	2	—	2
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	—	—	—	—	—	—	—	—	—
b)	Snappers	—	—	—	—	—	—	—	—	—	—
c)	Pig-face breams	7	—	12	4	23	4	2	3	2	11
d)	Threadfin breams	1	—	—	—	1	—	2	—	—	2
e)	Other perches	22	20	41	26	109	53	35	26	32	146
10.	Goat fishes	30	34	26	6	96	27	46	11	19	103
11.	Threadfins	—	—	1	1	2	—	2	—	—	2
12.	Croakers	76	80	102	90	348	104	90	62	92	348
13.	Ribbon fishes	2	—	—	1	3	—	—	3	—	3
14.	Carangids										
a)	Horse mackerel	—	—	—	—	—	—	—	—	—	—
b)	Scads	—	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	1	—	—	—	1	1	1	—	—	2
d)	Other carangids	2	14	13	9	38	18	29	17	14	78

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	1,123	793	426	568	2,910	824	609	365	621	2,419
16.	Big-jawed jumper	1	—	—	—	1	—	—	—	1	1
17.	Pomfrets										
a)	Black pomfret	—	—	—	—	—	—	—	—	—	—
b)	Silver pomfret	3	—	2	11	16	—	2	—	2	4
c)	Chinese pomfret	—	—	—	—	—	1	—	—	—	1
18.	Mackerels										
a)	Indian mackerel	—	—	—	—	—	—	1	1	—	2
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	—	—	—	—	—	—	—	—	—	—
b)	<i>S. guttatus</i>	—	—	—	—	—	—	—	—	—	—
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	—	—	—	—	—	—	—	—	—	—
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	1	—	—	—	1	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—	—
21.	Bill fishes	—	—	—	—	—	—	—	—	—	—
22.	Barracudas	—	—	—	—	—	—	—	—	—	—
23.	Mullets	—	—	14	—	14	7	1	—	—	8
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	—	—	—	—	—	—	—	—	—	—
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	3	18	14	20	55	13	10	19	18	60
26.	Crustaceans										
a)	Penaeid prawns	226	190	164	214	794	513	243	98	177	1,031
b)	Non-penaeid prawns	—	—	—	2	2	—	—	—	—	—
c)	Lobsters	—	—	—	—	—	—	—	—	—	—
d)	Crabs	62	58	83	69	272	361	190	89	92	732
e)	Stomatopods	—	—	—	—	—	—	—	—	—	—
27.	Cephalopods	29	18	14	26	87	35	33	18	62	148
28.	Miscellaneous	562	507	410	319	1,798	625	389	283	357	1,654
TOTAL		2,224	1,817	1,446	1,509	6,996	2,858	1,780	1,071	1,601	7,310
No. of operations of fishing units		12,749	12,314	13,635	15,376	54,074	21,666	14,800	10,574	12,523	59,563

Table 8 (g). *Composition of marine fish landings from mechanised boats at Rameswaram Verkottil during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	—	—	—	—	—	—	—	—	—	—
b)	Skates	—	—	—	—	—	—	—	—	—	—
c)	Rays	1,082	369	970	828	3,249	786	1,162	554	359	2,861
2.	Eels	—	—	—	—	—	—	—	—	—	—
3.	Cat fishes	17	12	93	103	225	150	89	52	51	342
4.	Clupeids										
a)	Wolf herring	—	—	—	—	—	—	—	—	—	—
b)	Oil sardine	—	17	10	11	38	—	—	—	—	—
c)	Other sardines	29	47	216	95	387	107	198	119	88	512
d)	Hilsa shad	42	—	1	5	48	—	—	—	—	—
e)	Other shads	5	8	9	40	62	50	25	19	133	227
f)	Anchovies										
	<i>Collia</i>	—	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	—	—	—	—	—	—	3	—	—	3
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	—	—	1	11	12	—	—	—	—	—
g)	Other clupeids	2	1	8	79	90	13	—	4	80	97
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	77	75	40	53	245	—	12	18	9	39
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	—	—	1	1	—	—	—	—	—
b)	Snappers	—	—	—	—	—	—	—	—	—	—
c)	Pig-face breems	—	—	—	—	—	—	—	—	—	—
d)	Threadfin breems	—	—	1	—	1	—	—	—	1	1
e)	Other perches	68	110	105	48	331	155	199	96	65	515
10.	Goat fishes	148	183	171	105	607	95	143	91	68	397
11.	Threadfins	—	—	—	—	—	73	—	—	—	73
12.	Croakers	1,062	307	564	600	2,533	316	518	399	311	1,544
13.	Ribbon fishes	—	—	—	—	—	—	—	—	—	—
14.	Carangids										
a)	Horse mackerel	—	—	—	—	—	—	—	—	—	—
b)	Scads	—	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	—	—	—	—	—	—	—	—	—	—
d)	Other carangids	13	17	12	18	60	19	79	48	41	187

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	4,905	3,421	2,931	2,772	14,029	2,867	3,843	1,787	1,515	10,012
16.	Big-jawed jumper	—	—	4	—	4	—	—	—	—	—
17.	Pomfrets										
a)	Black pomfret	—	—	—	—	—	—	—	—	—	—
b)	Silver pomfret	1	—	—	22	23	—	—	—	5	5
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	1	—	—	—	1	—	1	5	8	14
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	—	—	—	—	—	—	—	—	—	—
b)	<i>S. guttatus</i>	—	—	—	—	—	—	—	—	—	—
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	—	—	—	—	—	—	—	—	—	—
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—	—
21.	Bill fishes	—	—	—	—	—	—	—	—	—	—
22.	Barracudas	1	—	—	—	1	—	1	—	—	1
23.	Mulletts	—	—	3	—	3	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	—	—	—	—	—	—	—	—	—	—
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	41	45	49	44	179	37	34	32	23	126
26.	Crustaceans										
a)	Penaeid prawns	954	489	480	506	2,429	1,039	837	295	381	2,552
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—
c)	Lobsters	—	—	—	—	—	—	—	—	—	—
d)	Crabs	441	370	126	79	1,016	332	374	113	49	868
e)	Stomatopods	—	—	—	30	30	56	86	35	38	215
27.	Cephalopods	87	60	70	45	262	53	44	38	52	187
28.	Miscellaneous	252	405	364	206	1,227	146	224	166	181	717
TOTAL		9,228	5,936	6,228	5,701	27,093	6,294	7,872	3,871	3,458	21,495
No. of operations of fishing units		22,999	25,295	27,623	22,143	98,060	23,236	25,434	14,248	12,399	75,317

Table 8 (h). *Composition of marine fish landings from mechanised boats at Tuticorin Fisheries Harbour during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	103	—	16	—	119	—	—	—	—	—
b)	Skates	—	—	—	—	—	—	—	—	—	—
c)	Rays	136	6	54	12	208	10	—	—	1	11
2.	Eels	—	—	—	—	—	—	—	—	—	—
3.	Cat fishes	—	—	1	3	4	—	—	—	19	19
4.	Clupeids										
a)	Wolf herring	15	6	14	8	43	—	—	—	6	6
b)	Oil sardine	1	—	—	—	1	—	—	—	—	—
c)	Other sardines	9	—	—	46	55	—	—	2	5	7
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	2	2	—	—	—	—	—
f)	Anchovies										
	<i>Coilia</i>	—	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	—	75	44	—	119	48	220	—	—	268
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	282	—	138	519	939	760	1,310	1,003	388	3,461
g)	Other clupeids	267	—	56	—	323	85	—	12	—	97
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	—	16	—	4	20	1	—	—	10	11
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	—	—	15	15	—	—	—	—	—
b)	Snappers	—	—	—	1	1	—	—	—	—	—
c)	Pig-face breams	—	—	5	4	9	—	—	—	—	—
d)	Threadfin breams	2	47	53	7	109	7	—	—	31	38
e)	Other perches	—	—	1	24	25	309	—	—	18	327
10.	Goat fishes	—	—	4	4	8	1	1	—	9	11
11.	Threadfins	—	—	1	—	1	—	—	—	—	—
12.	Croakers	205	4	82	147	438	352	2	9	57	420
13.	Ribbon fishes	1	—	3	—	4	—	—	—	—	—
14.	Carangids										
a)	Horse mackerel	—	—	—	—	—	—	—	—	—	—
b)	Scads	—	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	—	—	5	—	5	—	—	—	—	—
d)	Other carangids	10	2	31	745	788	261	374	230	79	944

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	290	125	1,167	1,201	2,783	1,006	1,403	1,063	1,200	4,672
16.	Big-jawed jumper	2	—	3	5	10	—	—	—	—	—
17.	Pomfrets										
a)	Black pomfret	—	—	2	5	7	—	—	—	11	11
b)	Silver pomfret	—	—	—	—	—	—	—	—	—	—
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	—	—	—	2	2	—	—	—	—	—
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	—	—	—	—	—	—	—	—	2	2
b)	<i>S. guttatus</i>	—	—	—	189	189	—	2	—	—	2
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	—	—	—	—	—	—	—	—	—	—
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	—	—	—
21.	Bill fishes	—	—	—	—	—	—	—	—	—	—
22.	Barracudas	3	2	9	112	126	1	1	—	28	30
23.	Mulletts	—	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	—	—	—	—	—	—	—	—	—	—
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	—	—	4	—	4	—	—	—	—	—
26.	Crustaceans										
a)	Penaeid prawns	268	461	175	110	1,014	573	1,063	199	226	2,061
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—
c)	Lobsters	—	—	—	—	—	—	—	—	—	—
d)	Crabs	—	—	—	—	—	4	—	—	1	5
e)	Stomatopods	—	—	—	—	—	—	—	—	—	—
27.	Cephalopods	4	1	—	—	5	—	—	—	1	1
28.	Miscellaneous	226	2,968	2,194	326	5,714	728	1,266	1,016	76	3,086
TOTAL		1,824	3,713	4,062	3,491	13,090	4,147	5,642	3,534	2,168	15,491
No. of operations of fishing units		3,642	14,297	11,656	10,854	40,449	13,993	17,631	9,590	10,638	51,852

Table 8 (I). *Composition of marine fish landings from mechanised boats at Sakthikulangara during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	148	331	105	44	628	130	329	157	102	718
b)	Skates	—	—	12	—	12	—	6	—	—	6
c)	Rays	13	32	56	83	184	206	44	37	161	448
2.	Eels	—	—	—	—	—	—	—	—	—	—
3.	Cat fishes	725	1,054	626	102	2,507	1,162	823	453	3	2,441
4.	Clupeids										
a)	Wolf herring	—	—	1	—	1	—	—	10	—	10
b)	Oil sardine	437	13	1,401	—	1,851	—	—	54	133	187
c)	Other sardines	—	—	—	—	—	—	—	—	—	—
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—	—
f)	Anchovies										
	<i>Coilia</i>	—	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	5	—	98	27	130	—	15	447	—	462
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	—	—	—	—	—	—	2	—	—	2
g)	Other clupeids	—	—	—	—	—	—	—	—	—	—
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	1,378	2,784	295	232	4,689	1,667	2,098	1,624	1,044	6,433
7.	Half beaks & Full beaks	—	—	5	1	6	—	1	18	—	19
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	—	—	254	254	—	—	—	2	2
b)	Snappers	—	—	—	249	249	—	—	—	—	—
c)	Pig-face breams	—	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	451	4,506	406	526	5,889	1,254	11,545	933	1,894	15,626
e)	Other perches	110	1	24	311	446	374	11	43	1,197	1,625
10.	Goat fishes	—	—	—	—	—	—	1	—	—	1
11.	Threadfins	—	—	—	—	—	—	—	—	—	—
12.	Croakers	340	997	550	673	2,560	1,056	1,286	805	588	3,735
13.	Ribbon fishes	—	15	—	—	15	—	2	4	25	31
14.	Carangids										
a)	Horse mackerel	—	—	—	—	—	—	—	—	—	—
b)	Scads	14	45	12	—	71	—	124	185	30	339
c)	Leather-jackets	3	25	11	5	44	6	5	13	6	30
d)	Other carangids	6	72	88	47	213	79	41	82	12	214

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	142	17	64	360	583	98	24	30	314	466
16.	Big-jawed jumper	—	—	—	—	—	—	14	30	—	44
17.	Pomfrets										
a)	Black pomfret	12	36	34	3	85	21	22	57	5	105
b)	Silver pomfret	—	17	9	—	26	—	3	—	—	3
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	38	68	20	—	126	121	44	116	18	299
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	16	74	160	26	276	142	144	456	52	794
b)	<i>S. guttatus</i>	—	30	—	—	30	—	25	1	1	26
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	274	223	516	17	1,030	412	133	219	25	789
b)	<i>Auxis</i> spp.	—	7	—	—	7	—	1	—	—	1
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	2	—	—	2	—	5	—	—	5
21.	Bill fishes	5	6	16	2	29	10	16	36	4	66
22.	Barracudas	—	57	—	3	60	—	24	1	2	27
23.	Mulletts	—	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	6	4	—	—	10	—	7	—	—	7
b)	Flounders	31	—	—	—	31	—	—	—	—	—
c)	Soles	276	1,746	233	249	2,504	759	2,060	363	592	3,774
26.	Crustaceans										
a)	Penaeid prawns	1,114	5,709	602	750	8,175	2,065	10,593	799	1,120	14,577
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—
c)	Lobsters	—	6	4	3	13	4	2	6	11	23
d)	Crabs	2	18	3	7	30	19	1	6	36	62
e)	Stomatopods	206	8	550	533	1,297	106	9	1,245	565	1,925
27.	Cephalopods	120	318	320	48	806	599	879	1,610	445	3,533
28.	Miscellaneous	1,098	476	625	654	2,853	1,241	640	791	938	3,610
TOTAL		6,970	18,697	6,846	5,209	37,722	11,531	30,979	10,631	9,324	62,465
No. of operations of fishing units		32,378	45,718	27,139	22,518	1,27,753	40,377	50,093	35,455	21,017	1,46,94

Table 8 (j). *Composition of marine fish landings from mechanised boats at Cochin Fisheries Harbour during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	134	195	90	50	469	76	177	66	31	350
b)	Skates	—	—	—	—	—	—	—	—	—	—
c)	Rays	10	33	18	11	72	47	4	7	2	60
2.	Eels	—	—	1	—	1	—	1	—	—	1
3.	Cat fishes	181	329	176	8	694	987	549	144	5	1,685
4.	Clupeids										
a)	Wolf herring	—	—	6	1	7	—	3	2	2	7
b)	Oil sardine	1,794	1,235	2,718	6,272	12,019	1,813	664	6,037	3,597	12,111
c)	Other sardines	1	387	—	—	388	—	28	636	—	664
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	—	—	—	—	—	—	—
f)	Anchovies										
	<i>Coilia</i>	—	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	374	5	248	35	662	47	77	53	9	186
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	13	1	8	29	51	5	—	—	5	10
g)	Other clupeids	1	12	106	4	123	3	7	—	—	10
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	79	88	2	3	172	199	118	—	25	342
7.	Half beaks & Full beaks	—	1	3	—	4	1	3	10	1	15
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	—	—	33	33	—	7	4	69	80
b)	Snappers	6	—	—	13	19	—	—	2	27	29
c)	Pig-face breams	—	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	56	858	5	111	1,030	685	4,426	—	237	5,348
e)	Other perches	127	22	11	52	212	88	32	—	81	201
10.	Goat fishes	—	—	—	—	—	—	—	—	—	—
11.	Threadfins	6	—	—	—	6	—	—	—	—	—
12.	Croakers	125	84	101	146	456	134	46	57	334	571
13.	Ribbon fishes	—	5	7	—	12	4	2	2	—	8
14.	Carangids										
a)	Horse mackerel	—	—	1	—	1	—	3	—	—	3
b)	Scads	2	31	—	—	33	15	500	—	2	517
c)	Leather-jackets	1	145	3	—	149	1	8	5	—	14
d)	Other carangids	79	39	405	17	540	116	236	53	51	456

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	80	4	9	5	98	11	5	1	25	42
16.	Big-jawed jumper	—	4	17	8	29	19	—	—	—	19
17.	Pomfrets										
a)	Black pomfret	13	51	194	1	259	8	82	52	3	145
b)	Silver pomfret	1	2	34	—	37	—	37	1	—	38
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	33	498	844	3	1,378	123	926	1,488	381	2,918
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	29	232	160	11	432	63	196	315	58	632
b)	<i>S. guttatus</i>	1	1	3	—	5	1	8	14	—	23
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	244	260	35	6	545	299	125	220	57	701
b)	<i>Auxis</i> spp.	4	108	1	1	114	79	35	3	19	136
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	2	1	2	4	4	1	20	1	26
e)	Other tunnies	—	10	1	—	11	9	13	2	1	25
21.	Bill fishes	—	6	1	—	7	11	9	5	—	25
22.	Barracudas	23	2	3	5	33	82	23	11	23	139
23.	Mulletts	—	—	—	—	—	2	16	—	—	18
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	—	—	—	—	—	2	—	—	—	2
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	74	233	79	191	577	143	182	11	85	421
26.	Crustaceans										
a)	Penaeid prawns	1,234	1,497	439	852	4,022	942	690	41	712	2,385
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—
c)	Lobsters	—	—	—	—	—	—	—	—	1	1
d)	Crabs	55	—	2	62	119	38	—	1	33	72
e)	Stomatopods	44	—	275	100	419	95	—	43	53	191
27.	Cephalopods	19	17	6	6	48	48	33	3	33	117
28.	Miscellaneous	39	36	13	31	119	47	16	8	13	84
TOTAL		4,882	6,433	6,026	8,068	25,409	6,247	9,288	9,317	5,976	30,828
No. of operations of fishing units		19,625	19,944	12,188	16,761	68,518	23,145	18,219	9,286	15,051	65,701

Table 8 (k) Composition of marine fish landings from mechanised boats at Mangalore during 1983-'84 and 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	24	2	55	73	154	5	—	13	3	21
b)	Skates	—	—	—	—	—	—	—	—	—	—
c)	Rays	20	—	—	8	28	2	—	—	—	2
2.	Eels	—	—	—	—	—	—	—	—	—	—
3.	Cat fishes	568	2	540	598	1,708	22	—	15	38	75
4.	Clupeids										
a)	Wolf herring	9	—	1	1	11	—	—	3	—	3
b)	Oil sardine	1,633	2,913	2,148	1,979	8,673	979	5,394	6,102	1,186	13,661
c)	Other sardines	8	50	1,833	1	1,892	1	—	861	5	867
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	11	—	—	—	11	—	—	—	—	—
f)	Anchovies	41	—	—	—	41	—	—	—	—	—
	<i>Colilia</i>	—	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	11	—	3,960	273	4,244	224	—	3,630	150	4,004
	<i>Thryssa</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	—	49	131	19	199	5	—	139	36	180
g)	Other clupeids	63	75	130	1	269	9	—	3,635	—	3,644
5.	Bombay duck	—	—	—	—	—	—	—	—	—	—
6.	Lizard fishes	409	—	86	148	643	63	—	18	31	112
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	1	—	1
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	1	—	—	—	1	—	—	—	—	—
b)	Snappers	58	—	—	—	58	—	—	—	—	—
c)	Pig-face breams	—	—	—	—	—	—	—	19	—	19
d)	Threadfin breams	739	—	204	340	1,283	141	—	37	131	309
e)	Other perches	2	—	119	121	242	71	—	105	126	302
10.	Goat fishes	—	—	—	—	—	—	—	—	—	—
11.	Threadfins	—	—	—	—	—	—	—	—	—	—
12.	Croakers	176	26	351	151	704	103	—	50	102	255
13.	Ribbon fishes	134	3	10	—	147	60	—	76	19	155
14.	Carangids										
a)	Horse mackerel	—	—	85	—	85	—	—	—	—	—
b)	Scads	—	—	—	—	—	—	—	463	—	463
c)	Leather-jackets	—	—	—	—	—	—	—	—	—	—
d)	Other carangids	185	75	150	290	700	143	—	128	30	301

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	113	157	14	25	309	87	23	10	1	121
16.	Big-jawed jumper	43	—	26	58	127	17	—	7	8	32
17.	Pomfrets										
a)	Black pomfret	—	1	4	2	7	—	—	32	1	33
b)	Silver pomfret	15	—	15	43	73	4	—	12	—	16
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	22	15	1,011	6	1,054	99	3,234	572	29	3,934
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	7	17	104	14	142	—	—	68	12	80
b)	<i>S. guttatus</i>	—	3	18	7	28	—	—	104	1	105
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	8	—	8
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	8	—	71	32	111	2	—	1	1	4
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	1	—	1
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	10	1	11
e)	Other tunnies	—	—	—	—	—	—	—	9	—	9
21.	Bill fishes	—	—	—	—	—	—	—	—	—	—
22.	Barracudas	11	1	26	—	38	—	—	—	—	—
23.	Mulletts	8	—	—	—	8	20	—	—	—	20
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	—	—	—	—	—	—	—	—	—	—
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	212	27	237	258	734	188	39	527	283	1,037
26.	Crustaceans										
a)	Penaeid prawns	660	559	68	600	1,887	366	—	216	552	1,134
b)	Non-penaeid prawns	—	—	—	—	—	—	—	—	—	—
c)	Lobsters	—	—	—	—	—	—	—	—	—	—
d)	Crabs	109	—	4	113	226	10	—	5	17	32
e)	Stomatopods	392	—	235	1,257	1,884	717	—	185	601	1,503
27.	Cephalopods	62	—	16	97	175	77	—	26	42	145
28.	Miscellaneous	377	3	3	197	580	117	—	—	—	117
TOTAL		6,131	3,978	11,655	6,712	28,476	3,532	8,690	17,088	3,406	32,716
No. of operations of fishing units		20,740	3,815	12,454	14,358	51,367	9,055	2,440	16,373	6,629	24,497

Table 8 (I). *Composition of marine fish landings from mechanised boats at New Ferry Wharf, Bombay during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	318	104	603	355	1,380	212	138	343	236	929
b)	Skates	454	164	515	1,009	2,142	241	1	234	385	861
c)	Rays	578	148	475	992	2,193	239	63	244	406	952
2.	Eels	648	34	182	1,251	2,115	334	101	602	1,515	2,552
3.	Cat fishes	535	94	720	722	2,071	308	183	314	446	1,251
4.	Clupeids										
a)	Wolf herring	116	26	120	134	396	64	58	94	136	352
b)	Oil sardine	—	—	—	—	—	—	—	12	2	14
c)	Other sardines	—	—	—	—	—	1	—	—	—	1
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	—	—	—	3	3	—	37	15	1	53
f)	Anchovies	—	—	—	—	—	—	—	—	—	—
	<i>Coilia</i>	239	47	241	325	852	117	249	659	544	1,569
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorus</i>	5	3	3	11	22	12	14	10	12	48
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	—	2	6	—	8	7	—	—	15	22
g)	Other clupeids	163	59	165	123	510	26	8	77	102	213
5.	Bombay duck	145	73	78	128	424	48	172	435	59	714
6.	Lizard fishes	173	35	379	89	676	192	112	268	70	642
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	—	4	11	—	15	—	—	44	18	62
b)	Snappers	—	3	353	21	377	—	—	207	51	258
c)	Pig-face breams	—	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	907	35	393	232	1,567	230	143	703	182	1,258
e)	Other perches	316	35	104	218	673	28	31	38	90	187
10.	Goat fishes	212	54	428	98	792	63	44	289	52	448
11.	Threadfins	29	—	15	39	83	11	16	109	78	214
12.	Croakers	1,137	173	1,466	1,675	4,451	526	581	2,221	1,410	4,738
13.	Ribbon fishes	507	48	667	456	1,673	497	208	509	335	1,549
14.	Carangids										
a)	Horse mackerel	—	—	151	—	151	—	—	30	33	63
b)	Scads	—	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	—	80	32	—	112	1	50	68	—	119
d)	Other carangids	258	65	429	201	953	50	12	112	127	301

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	—	—	—	—	—	—	—	—	—	—
16.	Big-jawed jumper	222	32	151	246	651	43	2	34	85	164
17.	Pomfrets										
a)	Black pomfret	26	—	7	40	73	2	15	3	9	29
b)	Silver pomfret	74	37	47	76	234	47	34	86	125	292
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	—	1	194	25	220	—	—	142	10	152
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	49	72	286	5	412	15	85	581	76	757
b)	<i>S. guttatus</i>	29	41	165	4	239	2	30	61	—	93
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	—	195	554	7	756	8	60	243	32	343
b)	<i>Auxis</i> spp.	—	39	831	—	870	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	67	—	84	151	—	—	62	50	112
21.	Bill fishes	—	—	—	—	—	—	—	—	—	—
22.	Barracudas	—	—	—	—	—	—	—	—	—	—
23.	Mulletts	—	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	2	—	—	2	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	162	40	272	91	565	28	22	286	59	395
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	86	36	84	121	327	114	73	157	130	474
26.	Crustaceans										
a)	Penaeid prawns	1,809	1,263	4,820	1,929	9,821	1,184	4,890	4,229	2,243	12,546
b)	Non-penaeid prawns	30	51	54	106	241	186	221	132	70	609
c)	Lobsters	37	20	48	39	144	83	19	138	78	318
d)	Crabs	37	11	32	46	126	49	59	78	39	225
e)	Stomatopods	—	—	—	—	—	—	—	—	—	—
27.	Cephalopods	382	23	1,946	798	3,149	292	86	1,135	848	2,331
28.	Miscellaneous	153	55	178	295	681	148	173	261	257	839
TOTAL		9,831	3,271	17,205	11,994	42,301	5,408	7,960	15,265	10,418	39,051
No. of operations of fishing units		6,015	2,863	10,827	7,355	27,060	4,323	4,551	8,762	7,490	25,126

Table 8 (m). *Composition of marine fish landings from mechanised boats at Sassoon Dock, Bombay during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	216	207	373	337	1,133	219	316	519	400	1,454
b)	Skates	38	47	43	46	174	39	56	61	48	204
c)	Rays	75	68	82	110	335	65	94	131	128	418
2.	Eels	49	—	3	46	98	19	—	41	69	129
3.	Cat fishes	378	191	349	1,011	1,929	452	324	608	590	1,974
4.	Clupeids										
a)	Wolf herring	93	12	168	145	418	53	50	170	103	376
b)	Oil sardine	—	—	—	—	—	—	11	21	6	38
c)	Other sardines	3	1	3	2	9	—	—	19	—	19
d)	Hilsa shad	—	—	—	—	—	—	—	—	—	—
e)	Other shads	23	—	41	41	105	3	16	48	34	101
f)	Anchovies										
	<i>Coilia</i>	209	207	288	84	788	84	123	161	116	484
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Stolephorous</i>	2	—	16	45	63	13	3	—	—	16
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	31	79	50	81	241	43	149	98	60	350
g)	Other clupeids	79	3	74	219	375	71	110	124	88	393
5.	Bombay duck	89	222	21	1	333	42	378	80	37	537
6.	Lizard fishes	220	42	171	73	506	161	33	272	181	647
7.	Half beaks & Full beaks	—	—	—	—	—	—	—	—	—	—
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	17	—	—	—	17	2	—	5	25	32
b)	Snappers	—	—	4	1	5	—	—	86	—	86
c)	Pig-face breams	—	—	—	—	—	—	—	—	—	—
d)	Threadfin breams	925	227	257	304	1,713	295	362	726	448	1,831
e)	Other perches	27	39	32	37	135	20	25	30	3	78
10.	Goat fishes	110	72	90	29	301	39	52	212	25	328
11.	Threadfins	48	80	53	99	280	10	—	14	25	49
12.	Croakers	305	240	575	754	1,874	347	423	830	619	2,219
13.	Ribbon fishes	245	168	194	214	821	139	219	404	392	1,154
14.	Carangids										
a)	Horse mackerel	—	2	13	8	23	7	21	17	—	45
b)	Scads	—	—	—	—	—	—	—	—	—	—
c)	Leather-jackets	1	9	21	1	32	2	11	28	—	41
d)	Other carangids	46	35	59	53	193	29	42	76	32	179

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	—	3	—	—	3	—	—	—	—	—
16.	Big-jawed jumper	92	62	73	117	344	27	4	48	48	127
17.	Pomfrets										
a)	Black pomfret	25	16	50	14	105	24	25	73	21	143
b)	Silver pomfret	89	148	280	128	645	79	107	197	125	508
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	—	—	—	—	—	—	11	13	16	40
b)	Other mackerel	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	17	5	29	41	92	3	21	105	87	216
b)	<i>S. guttatus</i>	64	7	162	103	336	47	—	123	107	277
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	3	13	65	166	247	24	77	201	115	417
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	—	—
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	11	—	—	—	11	—	—	—	—	—
21.	Bill fishes	19	—	28	37	84	80	7	43	41	100
22.	Barracudas	37	7	12	3	59	—	6	142	43	191
23.	Mullet	—	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	1	—	—	—	1	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	18	—	27	8	53	8	5	54	9	76
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	42	81	26	53	202	28	73	41	18	160
26.	Crustaceans										
a)	Penaeid prawns	1,158	5,934	3,291	2,034	12,417	1,251	10,127	3,225	3,221	17,824
b)	Non-penaeid prawns	373	289	465	189	1,316	212	365	236	221	1,034
c)	Lobsters	25	80	24	67	196	119	84	67	57	327
d)	Crabs	9	50	13	19	91	30	32	13	—	75
e)	Stomatopods	—	—	—	—	—	—	—	—	—	—
27.	Cephalopods	271	33	1,194	626	2,124	308	104	2,867	1,674	4,953
28.	Miscellaneous	84	197	138	165	494	89	151	199	148	587
TOTAL		5,567	8,786	8,857	7,511	30,721	4,412	14,017	12,428	9,380	40,237
No. of operations of fishing units		8,004	10,083	11,362	12,403	—	7,776	12,093	12,637	10,008	—

Table 8 (n). *Composition of marine fish landings from mechanised boats at Veraval during 1983-'84 and 1984-'85 (figures in tonnes)*

Sl. No.	Name of fish	1983-'84					1984-'85				
		Apr. to Jun. '83	Jul. to Sep. '83	Oct. to Dec. '83	Jan. to Mar. '84	Total	Apr. to Jun. '84	Jul. to Sep. '84	Oct. to Dec. '84	Jan. to Mar. '85	Total
1	2	3	4	5	6	7	8	9	10	11	12
1.	Elasmobranchs										
a)	Sharks	182	25	96	79	382	175	156	166	279	776
b)	Skates	14	—	55	85	154	96	—	36	190	322
c)	Rays	142	15	135	404	696	337	7	30	76	450
2.	Eels	371	46	241	330	988	180	46	469	243	938
3.	Cat fishes	242	5	199	110	556	117	37	140	259	553
4.	Clupeids										
a)	Wolf herring	151	66	171	178	566	74	101	114	221	510
b)	Oil sardine	—	—	—	—	—	—	—	—	—	—
c)	Other sardines	16	16	14	13	59	3	6	1	—	10
d)	Hilsa shad	—	—	69	—	69	—	—	22	5	27
e)	Other shads	71	36	40	200	347	152	116	251	301	820
f)	Anchovies										
	<i>Coilia</i>	51	48	—	592	691	294	6	20	48	368
	<i>Stolephorus</i>	—	—	—	—	—	—	—	—	—	—
	<i>Setipinna</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thrissina</i>	—	—	—	—	—	—	—	—	—	—
	<i>Thryssa</i>	295	74	398	459	1,226	199	112	193	69	573
g)	Other clupeids	116	5	111	167	399	155	18	413	236	822
5.	Bombay duck	82	—	—	86	168	78	—	—	4	82
6.	Lizard fishes	143	—	202	977	1,322	141	—	222	265	628
7.	Half beaks & Full beaks	—	—	—	3	3	4	5	3	3	15
8.	Flying fishes	—	—	—	—	—	—	—	—	—	—
9.	Perches										
a)	Rock cods	1	—	269	138	408	98	1	117	149	365
b)	Snappers	45	—	394	103	542	34	7	34	133	208
c)	Pig-face breams	—	—	—	—	—	60	—	6	35	101
d)	Threadfin breams	—	—	549	545	1,094	865	—	676	859	2,400
e)	Other perches	466	—	529	646	1,641	428	34	334	314	1,110
10.	Goat fishes	79	—	424	196	699	28	—	95	176	299
11.	Threadfins	213	—	303	168	684	356	53	174	160	743
12.	Croakers	2,921	15	2,387	2,248	7,571	2,620	717	3,256	2,820	9,413
13.	Ribbon fishes	1,014	14	629	625	2,282	1,122	91	628	905	2,746
14.	Carangids										
a)	Horse mackerel	6	47	3	17	73	20	81	14	77	192
b)	Scads	—	8	62	—	70	—	—	—	—	—
c)	Leather-jackets	1	—	6	13	20	5	35	18	1	59
d)	Other carangids	24	—	32	26	82	48	22	66	101	237

1	2	3	4	5	6	7	8	9	10	11	12
15.	Silver bellies	—	—	24	305	329	—	34	117	306	457
16.	Big-jawed jumper	561	574	2,349	1,266	4,750	357	178	1,554	560	2,649
17.	Pomfrets										
a)	Black pomfret	36	12	22	37	107	227	34	10	41	312
b)	Silver pomfret	74	56	23	57	210	49	56	124	59	288
c)	Chinese pomfret	—	—	—	—	—	—	—	—	—	—
18.	Mackerels										
a)	Indian mackerel	—	—	—	—	—	—	—	40	8	48
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—
19.	Seer fishes										
a)	<i>S. commerson</i>	—	—	—	—	—	—	—	1	211	212
b)	<i>S. guttatus</i>	41	61	121	115	338	42	310	142	1	495
c)	<i>S. lineolatus</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>Acanthocybium</i> spp.	—	—	—	—	—	—	—	—	—	—
20.	Tunnies										
a)	<i>E. affinis</i>	16	10	30	16	72	29	65	118	86	298
b)	<i>Auxis</i> spp.	—	—	—	—	—	—	—	—	5	5
c)	<i>K. pelamis</i>	—	—	—	—	—	—	—	—	—	—
d)	<i>T. tonggol</i>	—	—	—	—	—	—	—	—	—	—
e)	Other tunnies	—	—	—	—	—	—	—	13	16	29
21.	Bill fishes	—	—	98	5	103	—	—	—	5	5
22.	Barracudas	3	—	195	13	211	21	—	31	34	86
23.	Mullet	—	—	—	—	—	—	—	—	—	—
24.	Unicorn cod	—	—	—	—	—	—	—	—	—	—
25.	Flat fishes										
a)	Halibut	5	3	104	61	173	50	3	161	162	376
b)	Flounders	—	—	—	—	—	—	—	—	—	—
c)	Soles	124	—	276	649	1,049	2,059	61	665	499	3,284
26.	Crustaceans										
a)	Penaeid prawns	321	12	682	363	1,378	1,328	177	686	900	3,091
b)	Non-penaeid prawns	135	10	120	170	435	467	13	43	368	891
c)	Lobsters	23	4	61	52	140	94	4	112	77	287
d)	Crabs	138	9	97	2,083	2,327	3,257	1	273	1,620	5,151
e)	Stomatopods	15	—	174	285	474	346	13	286	336	981
27.	Cephalopods	882	8	1,115	271	2,276	299	4	506	864	1,673
28.	Miscellaneous	1,413	40	725	731	2,909	1,022	223	1,948	979	4,172
TOTAL		10,433	1,219	13,534	14,887	40,073	17,336	2,827	14,328	15,066	49,557
No. of operations of fishing units		38,048	2,772	18,383	12,212	71,415	16,956	8,932	15,926	22,602	64,416

Table 9. Estimated marine fish landings in India during 1983 (figures in tonnes)

Sl. No.	Name of fish	West Bengal	Orissa	Andhra Pradesh	Tamil Nadu	Pondicherry	Kerala	Karnataka	Goa	Maharashtra	Gujarat	Andamans	Lakshadweep	Larger trawlers	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	Elasmobranchs														
a)	Sharks	223	1,408	6,706	3,095	45	7,747	3,801	628	8,205	6,818	295	256	127	39,354
b)	Skates	98	14	404	768	3	34	9	—	2,189	611	1	76	27	4,234
c)	Rays	268	106	1,676	16,084	286	740	185	31	2,871	4,154	9	—	38	26,458
2.	Eels	11	14	472	211	30	31	1	4	3,015	4,438	—	—	75	8,302
3.	Cat fishes	1,501	4,528	3,606	4,620	64	15,344	7,273	1,522	12,008	10,176	34	—	88	60,764
4.	Clupeids														
a)	Wolf herring	910	1,036	1,930	2,710	114	1,090	223	73	5,293	3,343	37	—	9	16,768
b)	Oil sardine	—	—	—	1,320	141	1,54,880	21,701	5,555	109	—	—	—	—	1,83,706
c)	Other sardines	41	5,263	17,514	37,124	3,399	5,315	6,086	658	533	57	1,019	—	1	77,010
d)	Hilsa shad	1,005	421	62	563	18	167	2	—	806	832	—	—	—	3,876
e)	Other shads	42	253	3,776	6,097	380	—	16	5	1,606	3,681	34	—	—	15,890
f)	Anchovies														
	Coilia	581	859	40	634	19	—	—	76	10,336	6,017	—	—	—	18,562
	Setipinna	616	1,288	49	6	—	—	19	—	—	—	—	—	—	1,978
	Stolephorus	46	649	8,127	9,723	291	55,042	10,952	359	203	3,751	114	—	—	89,257
	Thryssa	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Thryssa	172	116	3,855	5,400	402	1,172	1,569	1,021	2,296	—	18	—	—	16,021
g)	Other clupeids	302	3,070	5,155	7,156	469	6,727	3,123	367	4,512	2,814	—	—	—	33,695
5.	Bombay duck	4,566	313	1,076	6	2	—	11	12	45,113	49,851	—	—	—	1,00,950
6.	Lizard fishes	—	289	1,139	1,828	300	5,456	1,364	540	3,236	627	—	—	129	14,908
7.	Half beaks & Full beaks	—	1	66	1,327	174	483	97	29	201	331	18	103	—	2,830
8.	Flying fishes	—	9	74	1,048	326	—	—	—	2	—	10	25	—	1,494
9.	Perches														
a)	Rock cods	—	6	8	1,638	24	384	25	4	60	332	—	—	216	2,697
b)	Snappers	—	20	1,055	1,063	16	92	59	2	380	808	—	—	135	3,630
c)	Pig-face brems	—	—	7	2,265	49	101	—	—	8	—	—	—	—	2,430
d)	Threadfin brems	—	523	2,975	3,453	854	7,297	3,834	1,260	5,821	1,191	—	—	68	27,276
e)	Other perches	20	350	4,783	5,872	532	2,003	510	229	1,975	2,695	604	252	283	20,108
10.	Goat fishes	—	218	1,431	2,419	85	152	17	—	1,438	514	—	32	14	6,320
11.	Threadfins	41	16	1,226	387	10	176	16	—	492	3,546	14	—	23	5,947
12.	Croakers	1,357	12,766	11,554	13,143	454	6,112	4,067	2,697	18,278	29,647	4	—	676	1,00,755
13.	Ribbon fishes	199	996	10,657	5,348	45	1,109	2,266	1,061	10,909	6,305	—	—	176	39,071
14.	Carangids														
a)	Horse mackerel	—	196	810	59	—	398	433	75	383	456	—	—	—	2,810
b)	Scads	—	212	3,782	781	75	5,221	24	1	—	914	—	—	3	11,013
c)	Leather-jackets	408	53	1,638	3,474	30	487	1,377	16	1,260	1,262	—	—	—	10,005
d)	Other carangids	7	343	3,463	7,040	516	10,420	2,526	944	3,013	453	315	147	67	29,254
15.	Silver bellies	75	587	8,154	62,116	1,763	9,511	7,024	1,342	929	37	195	—	—	91,733
16.	Big-jawed jumper	—	15	1,119	357	—	1,099	1,132	1,593	3,146	11,562	—	—	—	20,023
17.	Pomfrets														
a)	Black pomfret	473	366	1,996	629	49	980	1,300	158	3,116	2,958	10	—	2	12,037
b)	Silver pomfret	5,775	2,479	2,904	647	15	898	551	165	19,406	9,139	47	—	14	42,039
c)	Chinese pomfret	40	10	26	15	—	118	4	—	1	—	—	—	—	214

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
18.	Mackerels														
a)	Indian mackerel	7	2,015	6,525	5,879	933	12,683	2,182	220	418	—	241	—	44	31,147
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—	80	—	—	80
19.	Seer fishes														
a)	<i>S. commerson</i>	508	157	2,369	4,041	97	444	3,340	257	2,486	3,773	102	26	42	21,642
b)	<i>S. guttatus</i>	292	831	3,740	309	21	2,477	692	467	4,709	—	100	33	10	13,681
c)	<i>S. lineolatus</i>	—	—	—	170	—	24	36	—	—	—	—	—	—	230
d)	<i>Acanthocybium</i> spp.	—	—	—	8	—	54	—	—	—	—	—	—	—	62
20.	Tunnies														
a)	<i>E. affinis</i>	—	28	726	1,515	5	3,804	1,358	—	1,574	415	—	35	—	9,460
b)	<i>Auxis</i> spp.	—	8	8	406	—	834	409	—	872	—	—	—	—	2,537
c)	<i>K. pelamis</i>	—	1	—	34	102	2	27	—	—	—	85	2,576	—	2,827
d)	<i>T. tonggol</i>	—	—	—	6	—	10	1	—	—	—	—	—	—	17
e)	Other tunnies	—	—	32	46	11	1,100	—	25	178	12	22	692	—	2,118
21.	Bill fishes	—	5	345	124	11	95	43	—	99	117	40	33	—	912
22.	Barracudas	—	31	243	1,411	35	1,140	100	—	278	464	50	19	22	3,793
23.	Mullets	17	4	110	451	47	116	11	6	156	2,287	171	—	—	3,376
24.	Unicorn cod	—	—	—	—	—	—	—	17	131	—	—	—	—	148
25.	Flat fishes														
a)	Halibut	—	—	100	262	3	160	8	17	801	406	—	—	11	1,768
b)	Flounders	—	—	139	13	8	45	68	—	—	—	—	—	6	279
c)	Soles	37	326	971	2,779	284	13,118	2,483	847	2,704	1,178	—	—	—	24,727
26.	Crustaceans														
a)	Penaeid prawns	410	1,999	10,571	13,458	292	29,754	7,883	7,744	36,027	9,959	72	—	34	1,18,203
b)	Non-penaeid prawns	1,699	19	5,851	275	9	105	—	—	32,134	8,657	1	—	—	48,750
c)	Lobsters	—	3	20	355	32	68	—	8	329	482	3	—	1	1,301
d)	Crabs	359	186	3,047	10,172	711	474	533	737	329	2,779	10	—	20	19,357
e)	Stomatopods	32	199	612	878	7	6,341	7,701	2,662	1,142	2,199	—	—	—	21,773
27.	Cephalopods	18	119	519	3,877	121	1,727	979	394	6,613	3,972	—	16	1,393	19,748
28.	Miscellaneous	970	675	2,241	23,988	1,193	6,404	2,147	3,850	5,682	9,312	112	221	325	57,120
TOTAL		23,126	45,399	1,51,484	2,80,882	14,902	3,85,765	1,11,598	37,688	2,69,811	2,15,332	3,867	4,542	4,079	15,48,475

Table 10. Estimated marine fish landings in India during 1983-'84 (figures in tonnes)

Sl. No.	Name of fish	West Bengal	Orissa	Andhra Pradesh	Tamil Nadu	Pondicherry	Kerala	Karnataka	Goa	Maharashtra	Gujarat	Andamans	Lakshadweep	Larger trawlers	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	Elasmobranchs														
a)	Sharks	340	1,566	7,162	2,392	156	8,678	3,136	568	7,850	6,323	403	252	193	39,019
b)	Skates	90	15	408	750	3	13	33	—	2,355	369	—	—	30	4,066
c)	Rays	246	211	2,295	15,309	148	1,149	166	76	3,001	5,076	12	73	40	27,802
2.	Eels	29	11	619	225	31	32	2	32	2,597	3,997	—	—	132	7,707
3.	Cat fishes	1,820	5,707	3,916	5,327	53	16,121	6,076	1,256	13,377	10,567	42	—	103	64,365
4.	Clupeids														
a)	Wolf herring	480	1,040	1,962	2,645	125	989	180	85	5,961	3,079	54	—	35	16,635
b)	Oil sardine	—	—	—	1,196	736	1,49,740	23,917	3,604	888	—	—	—	—	1,80,081
c)	Other sardines	33	4,891	21,411	34,377	2,707	4,679	6,957	528	166	75	1,016	—	1	76,841
d)	Hilsa shad	1,011	407	32	1,093	19	95	—	—	512	854	—	—	—	4,023
e)	Other shads	48	231	7,418	6,596	518	—	16	6	1,725	4,655	43	—	—	21,256
f)	Anchovies														
	Coilia	1,461	641	23	742	32	—	11	76	10,100	5,004	—	—	—	18,090
	Setipinna	2,338	987	30	8	—	—	19	—	—	—	—	—	—	3,382
	Stolephorus	85	255	9,144	10,227	361	56,101	11,502	429	1,588	—	110	—	—	89,802
	Thryssa	192	173	3,218	4,534	331	1,268	2,110	894	1,693	3,431	43	—	—	17,887
g)	Other clupeids	459	3,428	5,951	6,732	543	6,729	3,066	410	5,229	2,661	—	—	—	35,208
5.	Bombay duck	4,645	304	1,021	—	—	—	13	12	39,594	49,852	—	—	—	95,441
6.	Lizard fishes	—	132	1,284	1,836	246	5,572	1,341	853	2,711	1,468	—	—	170	15,613
7.	Half beaks & Full beaks	2	8	83	1,264	144	351	96	33	152	335	40	95	—	2,603
8.	Flying fishes	—	—	75	1,039	326	3	—	—	2	—	9	29	—	1,483
9.	Perches														
a)	Rockcods	—	6	8	1,040	2	575	38	4	61	628	—	—	273	2,635
b)	Snappers	—	12	909	714	17	216	59	—	415	1,246	—	—	205	3,793
c)	Pig-face brems	—	—	6	2,006	57	96	—	—	10	26	—	—	—	2,201
d)	Threadfin brems	—	755	3,298	3,264	746	7,875	3,030	878	4,969	2,531	—	—	101	27,447
e)	Other perches	42	281	4,348	5,524	387	3,064	624	190	1,339	3,385	593	257	392	20,426
10.	Goat fishes	—	121	1,322	2,081	79	58	10	—	1,211	710	—	34	20	5,646
11.	Threadfins	40	36	1,486	400	10	258	17	1	473	4,649	17	—	25	7,412
12.	Croakers	2,813	16,578	11,768	12,961	644	7,431	3,869	2,202	18,465	30,769	5	—	1,067	1,08,572
13.	Ribbon fishes	1,111	1,183	8,512	5,476	184	1,127	2,040	847	11,229	7,320	—	—	459	39,488
14.	Carangids														
a)	Horse mackerel	—	218	849	63	—	374	471	75	457	578	—	—	8	3,093
b)	Scads	—	43	2,139	1,007	56	4,972	24	1	—	914	—	—	4	9,160
c)	Leather-jackets	88	75	1,652	3,473	37	383	1,363	16	1,183	1,307	—	—	—	9,577
d)	Other carangids	7	462	3,665	6,854	549	9,101	2,489	1,924	2,929	495	363	170	111	29,099
15.	Silver bellies	90	414	6,867	60,877	1,786	9,185	5,433	1,485	1,005	342	287	—	1	87,772
16.	Big-jawed jumper	—	12	993	344	—	953	934	1,568	2,836	11,792	—	—	—	19,432
17.	Pomfrets														
a)	Black pomfret	336	394	6,674	609	50	911	1,321	46	3,076	3,091	10	—	6	16,524
b)	Silver pomfret	5,372	2,604	3,556	534	53	730	603	214	20,621	6,229	50	—	39	40,605
c)	Chinese pomfret	30	15	70	13	—	130	4	7	1	—	—	—	—	260

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
18.	Mackerels														
a)	Indian mackerel	6	1,605	6,726	8,009	813	12,708	2,479	256	619	—	251	—	44	33,516
b)	Other mackerels	—	—	—	—	—	—	—	—	—	—	89	—	—	89
19.	Seer fishes														
a)	<i>S. commerson</i>	335	217	2,410	3	95	4,013	3,214	257	2,636	—	104	32	117	13,433
b)	<i>S. guttatus</i>	161	1,061	4,792	3,333	21	2,478	709	478	4,550	4,179	100	31	10	21,903
c)	<i>S. lineolatus</i>	—	—	42	210	—	33	1	—	—	—	—	—	—	286
d)	<i>Acanthocybium</i> spp.	—	—	—	147	—	54	—	—	—	—	—	—	—	201
20.	Tunnies														
a)	<i>E. affinis</i>	—	16	748	2,001	3	3,862	1,683	—	1,717	1,018	—	31	—	11,079
b)	<i>Auxis</i> spp.	—	—	8	387	—	901	425	—	872	—	—	—	—	2,593
c)	<i>K. pelamis</i>	—	—	—	63	102	3	28	—	—	—	82	2,373	—	2,651
d)	<i>T. tonggol</i>	—	—	1	3	—	6	1	—	—	—	—	—	—	11
e)	Other tunnies	—	—	64	47	—	1,162	8	25	168	559	21	638	—	2,692
21.	Bill fishes	—	—	71	206	6	118	44	—	109	125	42	37	—	758
22.	Barracudas	—	19	244	1,516	31	1,105	81	6	252	235	59	21	29	3,598
23.	Mullets	7	1	50	505	50	117	11	5	160	2,298	204	—	—	3,408
24.	Unicorn cod	—	—	—	—	—	—	—	—	452	—	—	—	—	452
25.	Flat fishes														
a)	Halibut	—	—	128	248	23	204	4	17	703	373	—	—	18	1,718
b)	Flounders	—	—	138	15	8	41	68	—	—	—	—	—	19	289
c)	Soles	38	324	990	2,411	260	13,664	2,212	781	2,805	2,168	—	—	—	25,653
26.	Crustaceans														
a)	Penaeid prawns	1,662	1,936	12,106	15,029	621	26,100	6,950	5,938	36,805	9,350	94	—	28	1,16,619
b)	Non-penaeid prawns	4,391	15	5,567	146	11	170	—	—	32,714	7,618	1	—	—	50,633
c)	Lobsters	—	3	17	447	24	56	3	6	381	1,311	3	—	2	2,253
d)	Crabs	376	151	3,025	9,997	609	569	571	1,328	590	9,216	9	—	20	26,461
e)	Stomatopods	23	60	621	970	5	8,407	10,978	2,989	1,466	3,159	—	—	—	28,678
27.	Cephalopods	36	94	605	3,113	72	1,677	258	452	6,826	3,725	—	13	1,704	18,575
28.	Miscellaneous	1,620	727	2,173	24,696	1,204	6,647	1,930	5,726	5,260	10,209	157	235	632	61,216
TOTAL		31,863	49,435	1,64,700	2,77,034	15,094	3,83,054	1,12,628	36,584	2,68,866	2,29,301	4,313	4,301	6,038	15,83,211

Table 11. Estimated marine fish landings in India during 1984 (figures in tonnes)

Sl. No.	Name of fish	West Bengal	Orissa	Andhra Pradesh	Tamil Nadu	Pondicherry	Kerala	Karnataka	Goa	Maharashtra	Gujarat	Andamans	Lakshadweep	Larger trawlers	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	Elasmobranchs														
a)	Sharks	265	1,247	6,627	2,395	256	6,269	1,427	508	7,276	6,777	274	198	110	33,629
b)	Skates	35	33	609	149	—	12	32	—	1,733	477	35	—	3	3,118
c)	Rays	144	401	2,795	9,381	169	1,356	142	205	2,499	3,796	30	89	3	21,010
2.	Eels	48	10	691	288	2	19	2	28	2,868	3,049	—	—	107	7,112
3.	Cat fishes	2,211	5,993	5,480	4,197	68	11,582	3,722	1,272	13,418	9,313	121	—	38	57,415
4.	Clupeids														
a)	Wolf herring	352	845	2,034	2,641	76	1,372	501	149	6,203	2,858	67	—	27	17,125
b)	Oil sardine	—	539	—	1,195	920	1,46,893	36,323	1,675	1,287	—	—	—	—	1,88,832
c)	Other sardines	24	3,311	21,077	26,223	1,155	6,268	5,445	2,441	254	274	1,122	—	—	67,594
d)	Hilsa shad	2,101	1,665	57	1,127	—	198	15	—	556	72	106	—	—	5,897
e)	Other shads	292	208	7,195	5,189	303	—	1	1	2,525	4,844	—	—	—	20,558
f)	Anchovies	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Coilia	1,415	633	114	712	18	—	9	8	11,593	6,625	—	—	—	21,127
	Setipinna	2,436	1,086	—	12	—	—	—	—	—	—	—	—	—	3,534
	Stolephorus	65	322	4,404	14,521	586	41,513	11,480	336	1,608	—	116	—	—	74,951
	Thrissina	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Thryssa	57	72	3,435	7,721	732	1,419	1,121	1,454	2032	2,474	92	—	—	20,609
g)	Other clupeids	1,343	2,379	6,712	5,667	582	5,313	5,185	501	5,433	4,886	—	—	—	38,001
5	Bombay duck	2,166	303	1,023	4	—	—	2	—	58,367	55,887	—	—	—	1,17,742
6.	Lizard fishes	—	132	1,217	2,184	130	6,281	591	736	2,170	1,620	—	—	129	15,190
7.	Half beaks & Full beaks	3	8	138	921	10	311	98	4	46	16	96	62	—	1,713
8.	Flying fishes	—	—	39	2,157	451	3	1	—	—	—	—	15	—	2,666
9.	Perches														
a)	Rock cod	—	—	15	1,474	11	483	42	416	206	677	—	—	70	3,394
b)	Snappers	—	8	2,133	722	3	153	—	8	352	717	—	68	101	4,265
c)	Pig-face breams	—	5	6	1,655	13	43	19	—	8	112	—	—	—	1,861
d)	Threadfin breams	—	466	2,147	2,883	317	20,439	1,525	1,055	4,682	4,258	—	—	94	37,866
e)	Other perches	88	202	6,820	5,068	488	5,755	655	161	598	2,924	864	137	125	23,855
10.	Goat fishes	—	90	948	1,758	43	75	1	—	916	319	—	24	20	4,194
11.	Threadfins	71	45	2,130	475	23	453	13	1	500	3,846	41	—	5	7,603
12.	Croakers	2,976	16,903	8,047	12,707	741	9,686	2,005	1,677	22,588	31,877	30	—	695	1,09,852
13.	Ribbon fishes	5,654	1,235	6,457	11,903	215	6,464	733	479	11,612	7,972	—	—	361	53,085
14.	Carangids														
a)	Horse mackerel	47	314	764	62	—	188	287	371	512	982	—	—	8	3,535
b)	Scads	4	37	1,897	2,611	801	5,699	1,530	139	—	—	—	—	1	12,719
c)	Leather-jackets	39	146	1,967	1,603	37	225	1,446	—	1,020	2,641	—	—	—	9,124
d)	Other carangids	11	443	3,158	10,395	933	7,560	4,272	1,481	3,938	6,648	505	45	46	33,435
15.	Silver bellies	95	363	5,035	39,912	925	3,911	3,355	1,669	1,016	456	381	—	4	57,122
16.	Big-jawed jumper	—	18	594	834	—	1,645	852	786	2,475	7,317	—	—	—	14,521

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17.	Pomfrets														
a)	Black pomfret	278	295	6,371	716	133	735	1,181	125	2,716	3,269	7	—	5	15,381
b)	Silver pomfret	2,396	2,020	3,437	352	37	656	543	231	16,476	7,914	30	—	27	34,119
c)	Chinese pomfret	—	—	61	1	—	222	53	30	—	112	—	—	—	479
18.	Mackerels														
a)	Indian mackerel	32	396	6,412	6,540	951	11,676	12,337	2,684	985	52	480	—	—	42,545
b)	Other mackerels	—	17	—	—	—	—	1	—	—	—	85	—	—	103
19.	Seer fishes														
a)	<i>S. commerson</i>	109	221	2,696	5,800	282	3,255	4,149	41	1,661	144	165	26	103	18,652
b)	<i>S. guttatus</i>	140	792	5,333	386	11	2,976	771	325	3,096	3,712	155	33	—	17,730
c)	<i>S. lineolatus</i>	—	3	43	165	—	13	1	—	—	—	—	—	—	225
d)	<i>Acanthocybium</i> spp.	—	—	—	44	—	—	—	—	—	—	—	—	—	44
20.	Tunnies														
a)	<i>E. affinis</i>	2	11	811	1,702	59	4,203	795	115	2,660	1,418	—	44	—	11,820
b)	<i>Auxis</i> spp.	—	20	10	216	—	1,397	128	—	—	—	—	—	—	1,771
c)	<i>K. pelamis</i>	—	—	8	26	—	5	—	—	—	—	170	3,365	—	3,574
d)	<i>T. tonggol</i>	—	—	1	157	—	34	28	—	—	—	—	—	—	220
e)	Other tunnies	29	—	36	460	32	530	162	35	152	584	45	904	—	2,969
21.	Bill fishes	—	—	66	246	15	319	6	214	184	18	154	42	—	1,264
22.	Barracudas	—	25	158	1,843	74	1,109	12	24	215	65	213	14	9	3,761
23.	Mullets	11	1	93	423	3	69	42	93	59	2,384	244	—	—	3,422
24.	Unicorn cod	—	—	—	—	—	—	—	—	2,650	—	—	—	—	2,650
25.	Flat fishes														
a)	Halibut	—	—	100	111	37	59	1	—	554	456	—	—	9	1,327
b)	Flounders	—	—	27	33	—	2	—	—	—	—	—	—	13	75
c)	Soles	38	327	470	1,570	283	17,745	6,032	2,313	4,524	6,336	—	—	—	39,638
26.	Crustaceans														
a)	Penaeid prawns	2,304	2,048	8,787	15,154	854	35,529	5,511	4,853	43,934	10,848	199	—	30	1,30,051
b)	Non-penaeid prawns	10,735	21	1,183	1,453	63	738	—	—	39,230	8,536	2	—	—	61,961
c)	Lobsters	—	1	12	566	5	53	3	6	963	1,604	9	—	1	3,223
d)	Crabs	111	103	1,889	8,586	736	505	476	1,032	790	14,450	30	—	—	28,708
e)	Stomatopods	23	47	585	654	—	7,055	9,838	4,702	1,838	4,110	—	—	—	28,852
27.	Cephalopods	42	59	450	3,694	37	5,422	333	408	7,650	2,312	—	14	543	20,964
28.	Miscellaneous	1,731	709	1,890	20,476	1,321	7,576	1,762	3,713	5,657	14,552	358	251	420	60,416
TOTAL		39,923	46,578	1,46,694	2,52,120	14,941	3,93,472	1,26,996	38,505	3,06,285	2,50,590	6,226	5,331	3,017	16,30,678

Table 12. Estimated marine fish landings in India during 1984-'85 (figures in tonnes)

Sl. No.	Name of fish	West Bengal	Orissa	Andhra Pradesh	Tamil Nadu	Pondicherry	Kerala	Karnataka	Goa	Maharashtra	Gujarat	Andamans*	Lakshadweep	Larger trawlers	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	Elasmobranchs														
a)	Sharks	127	1,327	7,298	2,372	145	5,300	1,428	398	6,812	8,481	302	180	45	34,215
b)	Skates	132	46	600	167	—	21	—	—	1,087	638	38	—	—	2,729
c)	Rays	128	307	2,610	8,557	146	1,165	88	166	1,941	2,825	31	97	—	18,061
2.	Eels	24	155	755	245	1	13	1	4	3,051	3,663	—	—	50	7,962
3.	Cat fishes	1,939	5,903	5,477	2,902	67	10,487	2,746	1,908	11,070	9,642	125	—	24	52,290
4.	Clupeids														
a)	Wolfherring	341	840	1,866	2,771	80	1,326	543	164	5,256	5,163	73	—	1	18,424
b)	Oil sardine	—	539	164	1,339	358	1,28,239	31,963	2,025	910	—	—	—	—	1,65,537
c)	Other sardines	14	4,370	20,975	26,053	2,271	5,055	4,900	2,488	283	680	1,125	—	—	68,314
d)	Hilsa shad	6,250	1,634	57	567	—	212	18	—	514	249	108	—	—	9,609
e)	Other shads	297	205	3,444	3,256	163	32	6	2	2,533	5,024	—	—	—	14,962
f)	Anchovies														
	<i>Coilia</i>	487	916	119	513	17	—	—	8	12,448	9,764	—	—	—	24,272
	<i>Setipinna</i>	617	1,255	7	26	—	—	1,324	—	—	—	—	—	—	3,229
	<i>Stolephorus</i>	13	698	3,293	14,675	458	41,363	11,684	268	120	—	120	—	—	72,692
	<i>Thryssa</i>	41	5	3,868	7,873	911	1,330	1,085	1,406	1,709	1,853	99	—	—	20,180
g)	Other clupeids	1,266	2,607	9,764	5,876	722	5,262	5,004	509	4,194	7,820	—	—	—	43,024
5.	Bombay duck	2,048	303	912	4	—	—	—	—	61,256	60,424	—	—	—	1,24,947
6.	Lizard fishes	—	160	1,172	2,134	144	6,991	397	514	2,058	1,207	—	—	87	14,864
7.	Half beaks & Full beaks	1	—	150	945	3	250	116	34	44	15	102	65	—	1,725
8.	Flying fishes	—	1	38	2,199	451	—	1	—	—	—	—	9	—	2,699
9.	Perches														
a)	Rock cod	—	1	18	1,277	11	312	63	621	262	577	—	—	12	3,154
b)	Snappers	—	11	2,828	705	2	112	—	1	407	406	—	49	30	4,551
c)	Pig-face breams	—	61	6	1,473	3	76	19	1	7	123	—	—	—	1,769
d)	Threadfin breams	—	255	1,592	2,542	299	22,108	1,383	963	3,970	5,143	—	—	61	38,316
e)	Other perches	95	359	7,049	4,740	530	6,105	483	249	510	3,249	919	100	16	24,404
10.	Goat fishes	—	405	996	1,757	36	37	1	—	853	417	—	24	14	4,540
11.	Threadfins	66	98	2,376	417	20	422	13	—	802	4,251	42	—	3	8,510
12.	Croakers	1,493	18,438	7,659	9,987	690	9,799	1,589	2,152	20,195	36,426	30	—	214	1,08,672
13.	Ribbon fishes	4,773	1,262	5,982	12,149	97	6,557	702	1,125	10,461	9,132	—	—	78	52,318
14.	Carangids														
a)	Horse mackerel	47	347	1,593	62	—	172	250	381	537	927	—	—	—	4,316
b)	Scads	4	39	429	2,269	801	5,255	1,530	139	1,068	—	—	—	—	11,534
c)	Leather-jackets	28	161	1,468	3,874	26	173	1,469	6	3,527	2,783	—	—	—	13,515
d)	Other carangids	10	384	2,844	10,121	933	7,485	4,369	667	—	636	530	44	2	28,025
15.	Silver bellies	133	566	4,632	35,802	878	3,783	3,323	1,220	935	457	425	—	3	52,157
16.	Big-jawed jumper	—	33	629	846	—	1,537	836	874	1,894	12,007	—	—	—	18,656
17.	Pomfrets														
a)	Black pomfret	318	257	2,270	706	128	763	1,180	144	2,409	3,310	7	—	2	11,494
b)	Silver pomfret	1,882	1,873	2,794	334	38	629	308	237	15,251	11,261	32	—	—	34,639
c)	Chinese pomfret	—	—	15	1	—	216	53	33	—	128	—	—	—	446

* Provisional

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
18.	Mackerels														
a)	Indian mackerel	37	332	4,497	4,891	920	12,937	12,775	2,707	744	81	490	—	—	40,411
b)	Other mackerels	—	17	—	—	—	—	—	—	—	—	87	—	—	104
19.	Seer fishes														
a)	<i>S. commerson</i>	14	197	2,019	5,517	257	3,343	4,100	42	1,310	527	170	23	29	17,548
b)	<i>S. guttatus</i>	108	596	3,126	429	12	3,148	682	404	3,430	4,094	160	29	—	16,218
c)	<i>S. lineolatus</i>	—	3	11	168	—	4	—	—	—	—	—	—	—	186
d)	<i>Acanthocybium</i> spp.	—	—	—	44	—	—	—	—	—	—	—	—	—	44
20.	Tunnies														
a)	<i>E. affinis</i>	2	62	10	1,005	59	4,376	445	115	2,615	2,651	—	49	—	11,389
b)	<i>Auxis</i> spp.	—	24	—	56	—	1,216	112	—	112	5	—	—	—	1,525
c)	<i>K. pelamis</i>	—	—	8	26	10	4	—	—	—	41	172	3,778	—	4,039
d)	<i>T. tonggol</i>	—	—	—	128	—	33	25	—	—	—	—	—	—	186
e)	Other tunnies	29	2	978	497	32	499	194	35	—	—	46	1,015	—	3,327
21.	Bill fishes	—	—	209	329	15	285	5	214	183	44	156	41	—	1,481
22.	Barracudas	—	49	341	1,724	85	1,081	13	35	262	86	216	13	2	3,907
23.	Mullet	10	—	230	468	2	81	43	152	57	3,006	261	—	—	4,310
24.	Unicorn cod	—	—	—	—	—	—	—	—	2,569	—	—	—	—	2,569
25.	Flat fishes														
a)	Halibut	—	—	87	108	18	17	2	85	528	885	—	—	3	1,733
b)	Flounders	—	—	33	42	—	—	—	—	—	—	—	—	—	75
c)	Soles	36	500	426	1,354	293	18,447	6,347	3,732	4,812	6,704	—	—	—	42,651
26.	Crustaceans														
a)	Penaeid prawns	1,034	2,496	7,647	12,567	711	37,168	5,547	3,903	45,416	13,787	206	—	58	1,30,540
b)	Non-penaeid prawns	7,989	23	1,240	1,448	62	719	—	—	51,882	10,599	2	—	—	73,964
c)	Lobsters	—	1	10	520	5	96	—	18	1,529	1,062	9	—	—	3,250
d)	Crabs	89	137	1,591	8,207	715	664	389	1,478	689	12,499	30	—	—	26,488
e)	Stomatopods	20	110	523	433	—	6,182	8,125	7,477	2,354	4,392	—	—	—	29,616
27.	Cephalopods	13	92	387	3,457	42	7,170	285	452	8,625	3,328	—	13	232	24,096
28.	Miscellaneous	899	686	1,743	17,644	1,273	7,418	1,658	1,965	5,047	16,259	374	265	113	55,344
TOTAL		32,854	51,148	1,32,865	2,32,598	14,940	3,77,475	1,19,622	41,521	3,10,538	2,88,731	6,587	5,794	1,079	16,15,752

Visakhapatnam Outer Harbour

The total landings from trawlers during 1983-'84 showed an increase of about 3,100 tonnes. The number of operations recorded a corresponding increase of about 7,000, the catch per operation registering an increase from 197 kg in 1982-'83 to 248 kg in 1983-'84. Among the commercially important varieties, penaeid prawns and ribbon fishes showed an increase of about 400 tonnes each and perches about 1,400 tonnes.

The landings by trawlers in 1984-'85 showed a reduction of about 2,000 tonnes from 8,300 tonnes of the previous year. The number of operations also registered a reduction of about 2,200 while the catch per operation decreased to 203 kg from 248 kg of previous year. Among the commercially important varieties, perches reduced by 900 tonnes, silver bellies by 200 tonnes and penaeid prawns by 200 tonnes.

Kakinada Fisheries Harbour

The landings by trawlers in Kakinada Fisheries Harbour during 1983-'84 showed an increase of about 3,200 tonnes over 16,200 tonnes of 1982-'83. The number of operations correspondingly increased by about 6,000 as compared to previous year. The catch per operation registered an increase from 384 kg of 1982-'83 to 402 kg of 1983-'84. Among the commercially important varieties, non-penaeid prawns showed an increase of 1,400 tonnes, silver bellies increased by about 1,100 tonnes, croakers by 600 tonnes, ribbon fishes by 600 tonnes and penaeid prawns by 300 tonnes. However, scads showed a decline by about 1,300 tonnes.

The landings by trawlers in 1984-'85 have shown a reduction in the landings by about 5,300 tonnes from 19,400 tonnes of 1983-'84 to 13,100 tonnes in 1984-'85. The number of operations also has shown a steep reduction by about 11,700 but catch per operation reduced to 387 kg from 402 kg of 1983-'84. Among the commercially important varieties, the landings of non-penaeid prawns decreased by about 1,900 tonnes. The landings of perches reduced by about 1,000 tonnes, that of penaeid prawns by 600 tonnes, silver bellies by 600 tonnes and scads by 800 tonnes.

Pudumanaikuppam

The landings by trawlers in 1983-'84 increased marginally by about 200 tonnes from that of 1982-'83. About 99% of landings by mechanised crafts at Pudumanaikuppam came from trawlers and the remaining

from gill netters. The number of operations showed a reduction of about 4,700 in respect of trawlers and 500 in respect of gill netters. Catch per operation increased from 263 kg in 1982-'83 to 311 kg in 1983-'84 in respect of trawlers and from 115 kg of 1982-'83 to 130 kg in 1983-'84 in respect of gill netters. Among the commercially important varieties, the landings of penaeid prawns reduced by 400 tonnes, perches by 300 tonnes and lizard fishes by 400 tonnes. However, silver bellies increased by 200 tonnes, scads by 200 tonnes and croakers about 200 tonnes.

The landings by trawlers decreased in 1984-'85 compared to previous year by about 400 tonnes and that of gill netters increased by about 200 tonnes. 96% of mechanised landings was contributed by trawlers. The number of operations of trawlers and gill netters increased in 1984-'85 by about 7,000 and 800 respectively. Catch per operation in 1984-'85 in respect of trawlers reduced from 311 kg of 1983-'84 to 241 kg and that of gill netters increased from 131 kg to 206 kg. Among the commercially important varieties from trawlers, perches showed a decrease by about 700 tonnes, silver bellies reduced by 300 tonnes and penaeid prawns by about 400 tonnes. However, the landings of elasmobranchs increased by about 500 tonnes and lizard fishes increased by 600 tonnes.

Cuddalore Fisheries Harbour

Landings by trawlers recorded an increase of about 1,000 tonnes during 1983-'84 compared to that in the previous year. The landings by gill netters, however, showed reduction by 1,500 tonnes. About 92% of the total landings was contributed by trawlers. The number of operations increased by about 2,000 in respect of trawlers but reduced by about 3,100 in respect of gill netters. Catch per operation in respect of trawlers increased from 253 kg of 1982-'83 to 301 kg in 1983-'84. In respect of gill netters, catch per operation decreased from 411 kg of 1982-'83 to 248 kg in 1983-'84. Among the commercially important varieties of fish from trawlers, silver bellies increased by about 600 tonnes. In the landings by gill netters, sharks decreased by 400 tonnes, seer fishes decreased by about 600 tonnes and tunnies by about 400 tonnes.

The landings by trawlers in 1984-'85 showed a decrease of about 800 tonnes from that of the previous year. Number of operations reduced by about 2,000. Catch per operation also reduced from 301 kg of 1983-'84 to 285 kg in 1984-'85. The landings by gill netters did not show any appreciable difference from the previous year's landings nor the number of operations.

Among the commercially important varieties of fish from trawlers, silver bellies recorded a reduction by about 600 tonnes.

Nagapattinam

The landings by trawlers in 1983-'84 registered an increase of about 6,000 tonnes compared to that in the previous year. The number of operations also showed an increase of 11,800. The catch per operation increased from 323 kg of 1982-'83 to 376 kg in 1983-'84. Among the commercially important varieties, silver bellies increased by about 2,100 tonnes, croakers by 700 tonnes and penaeid prawns by 800 tonnes.

The landings by trawlers in 1984-'85 reduced to about 8,900 tonnes from 12,900 of 1983-'84 showing a decrease of about 4,000 tonnes. But number of operations showed an increase of about 7,600. Catch per operation decreased from 376 kg of 1983-'84 to 216 kg in 1984-'85. Among the major varieties, penaeid prawns showed a decrease in the landings by about 500 tonnes, croakers decreased by 500 tonnes, silver bellies by about 1,300 tonnes and perches by about 500 tonnes.

Mandapam Camp

Landings in 1983-'84 by trawlers showed an increase of about 600 tonnes over that of the previous year. The number of operations increased by about 8,700 but the catch per operation showed a decrease from 140 kg of 1982-'83 to 129 kg in 1983-'84. Silver bellies showed a decrease in the landings by about 700 tonnes but penaeid prawns showed a marginal increase of about 100 tonnes.

Landings by trawlers in 1984-'85 registered an increase of about 300 tonnes over that of the previous year. The number of operations showed an increase of 5,500. Catch per operation, however, showed a marginal decrease from 129 kg of 1983-'84 to 123 kg in 1984-'85. Among the commercially important varieties, penaeid prawns showed an increase of about 200 tonnes but silver bellies reduced in landings by about 500 tonnes and crabs recorded an increase of about 500 tonnes.

Rameshwaram

The landings by trawlers at Rameshwaram during 1983-'84 registered an increase of about 4,300 tonnes from about 22,800 tonnes of 1982-'83. The number of

operations increased by about 3,400 and catch per operation increased from 241 kg of 1982-'83 to 276 kg in 1983-'84. Among the major varieties of fish, silver bellies increased by about 1,700 tonnes, rays by 900 tonnes and penaeid prawns by 500 tonnes.

The landings by trawlers in 1984-'85 showed a decrease of about 5,600 tonnes. The number of operations decreased by about 22,700 but catch per operation increased from 276 kg of 1983-'84 to 285 kg in 1984-'85. Silver bellies showed a decrease of about 4,000 tonnes, croakers about 1,000 tonnes and rays about 400 tonnes.

Tuticorin Fisheries Harbour

The landings by trawlers in 1983-'84 at Tuticorin Fisheries Harbour recorded an increase of about 3,600 tonnes over the corresponding landings of the previous year. The number of operations of trawlers recorded increase in 1983-'84 by about 15,700. The catch per operation reduced from 382 kg of 1982-'83 to 324 kg in 1983-'84. The landings of silver bellies showed an increase of about 600 tonnes, carangids by about 700 tonnes and penaeid prawns by about 300 tonnes.

The landings by trawlers in 1984-'85 showed an increase of about 2,400 tonnes from 13,100 tonnes of the previous year. The number of operations increased by 11,400 and catch per operation decreased from 324 kg of 1983-'84 to 299 kg in 1984-'85. Among the commercially important varieties, silver bellies showed an increase of 1,900 tonnes over that of previous year and penaeid prawns increased by about 1,000 tonnes.

Sakthikulangara

The landings by the mechanised boats at Sakthikulangara during 1983-'84 increased by about 2,100 tonnes over that of the previous year. The landings by trawlers which accounted for 92% of total landings by the mechanised crafts showed an increase of about 700 tonnes. The landings by gill netters registered an increase of about 1,100 tonnes from 1,700 tonnes of the previous year. The number of operations of trawlers decreased by 18,000 while that of gill netters increased by 1,600. The catch per operation in respect of trawlers increased from 263 kg of 1982-'83 to 312 kg in 1983-'84. Catch per operation realised by gill netters in 1983-'84 was 179 kg against 121 kg of 1982-'83. Among the major varieties of fish, penaeid prawns showed a decrease of about 1,200 tonnes from 9,400 tonnes of the previous year. However, the landings of perches showed an increase of about 1,400 tonnes and that of croakers

1,200 tonnes. In the landings by gill netters tunnies showed an increase of about 700 tonnes.

The landings by the mechanised boats at Sakthikulangara during 1984-'85 recorded an increase of about 24,700 tonnes over that of the previous year. The landings by trawlers accounting for 94% of the total landings by the mechanised boats showed an increase of about 24,000 tonnes. The number of operations of trawlers increased by about 19,000 and that of gill netters increased by about 1,200. The catch per operation realised by trawlers increased from 312 kg of 1983-'84 to 452 kg of 1984-'85. The catch per operation realised by gill netters in 1984-'85 was 221 kg against 179 kg of 1983-'84. Among the commercially important varieties from trawlers, perches increased by about 10,700 tonnes, penaeid prawns by 6,400 tonnes, croakers by 1,200 tonnes and lizard fishes by 1,700 tonnes. In the landings by gill netters, seer fishes showed an increase of 500 tonnes but tunnies showed a decrease by about 200 tonnes.

Cochin Fisheries Harbour

The landings by the mechanised boats in 1983-'84 increased by 4,400 tonnes over about 21,000 tonnes of 1982-'83. Trawlers accounted for 35% and purse seiners 56%. The landings by trawlers showed a decrease of about 400 tonnes in 1983-'84 from 9,300 tonnes of the previous year. The number of operations correspondingly decreased by about 3,800. But the catch per operation realised by trawlers showed a marginal increase from 191 kg in 1982-'83 to 198 kg of 1983-'84. Landings by purse-seiners showed an increase of 4,800 tonnes in 1983-'84 over that of the previous year but the number of operations showed a reduction by about 1,200. Catch per operation increased from 1,155 kg of 1982-'83 to 2,041 kg in 1983-'84. The landings by units with power propulsion did not show appreciable difference. However, catch per operation realised by gill netters in 1983-'84 showed an increase from 118 kg of 1982-'83 to 133 kg. Among the commercially important varieties, oil sardine increased by 5,500 tonnes from 6,500 of 1982-'83 and penaeid prawns showed an increase of about 800 tonnes. However, the landings of perches decreased by about 2,200 tonnes.

The landings by the mechanised boats in 1984-'85 showed an increase of about 5,800 tonnes over that of the previous year. The landings by purse seiners accounted for 55% of mechanised landings and showed an increase of about 2,600 tonnes. The landings by trawlers accounted for 36% of the total landings by the

mechanised boats and showed an increase of about 2,200 tonnes. The number of operations by purse-seiners showed a decrease of about 800 but the catch per operation increased from 2,041 kg of 1983-'84 to 2,740 kg in 1984-'85. The number of operations by trawlers decreased by 7,900 but the catch realised per operation increased from 198 kg of 1983-'84 to 300 kg in 1984-'85. The catch realised per operation by gill netters decreased from 133 kg of 1983-'84 to 124 kg in 1984-'85. Among the commercially important varieties, perches recorded an increase of about 4,400 tonnes and mackerel increased by 1,500 tonnes. However, the landings of penaeid prawns decreased by 1,600 tonnes.

Mangalore

The total landings by the power propelled crafts in Mangalore during 1983-'84 was estimated at about 28,500 tonnes. The landings by purse-seiners accounted for 67% while the trawlers accounted for 32% and the balance was contributed by gill netters. The catch realised per operation by purse-seiners was 1,964 kg while that by trawlers was 236 kg and by gill netters 120 kg. Oil sardine with 30% formed the major variety of fish landed by mechanised crafts followed by *Stolephorus* spp. with 15%.

In 1984-'85 the landings by the mechanised boats at Mangalore showed an increase of 4,200 tonnes over the landings of the previous year. The landings by purse-seiners which accounted for 83% of the total landings showed an increase of about 8,200 tonnes over the corresponding landings of the previous year while the landings by trawlers showed a decrease of about 3,800 tonnes. The number of operations of purse-seiners showed an increase by about 700 and that of trawlers decreased by about 17,400. Catch per operation realised by purse-seiners during 1984-'85 was 2,608 kg against 1,964 kg of 1983-'84, that of trawlers 249 kg against 236 kg and that of gill netters 99 kg against 120 kg of the previous year. Among the commercially important species, oil sardine showed an increase of about 5,000 tonnes and mackerel by 2,900 tonnes.

New Ferry Wharf, Bombay

The landings by trawlers during 1983-'84 increased by about 4,500 tonnes over 37,500 tonnes of 1982-'83. The number of operations increased by about 3,300 but catch per operation by trawlers decreased from 1,703 kg of 1982-'83 to 1,661 kg of 1983-'84. Among the commercially important varieties, penaeid prawns increased by 900 tonnes and elasmobranchs by 1,200 tonnes.

The landings by trawlers in 1984-'85 decreased by 3,400 tonnes from 42,000 tonnes of 1983-'84. The number of operations decreased by about 2,000. The catch per operation realised during 1984-'85 showed a marginal reduction from 1,661 kg of 1983-'84 to 1,658 kg in 1984-'85. Among the commercially important varieties, penaeid prawns showed an increase of about 2,700 tonnes from 9,800 tonnes of 1983-'84. The landings of elasmobranchs decreased by about 3,000 tonnes.

Sassoon Docks, Bombay

The landings by mechanised crafts in 1983-'84 was estimated at about 30,700 tonnes which showed a reduction in the landings by about 9,600 tonnes compared to the corresponding landings of the previous year. Trawlers contributed 87% of the total mechanised landings, and the balance by 'dol' netters, gill netters and hooks and lines. The landings by trawlers showed a decrease of about 9,100 tonnes in 1983-'84 from that of 1982-'83. The number of operations by trawlers also reduced by about 1,400. The catch realised per operation by trawlers decreased from 1,531 kg of 1982-'83 to 1,213 kg in 1983-'84. The landings by gill netters decreased by 500 tonnes. The number of operations of 'dol' netters increased by about 1,400 and that of gill netters by 400 while for hooks and lines it decreased by about 200. The catch realised per operation by gill netters decreased from 655 kg of 1982-'83 to 450 kg in 1983-'84, that of 'dol' netters decreased marginally from 146 kg of 1982-'83 to 138 kg in 1983-'84 and that of hooks and lines decreased marginally from 238 kg of 1982-'83 to 233 kg in 1983-'84. Among the commercially important varieties, the landings of perches declined by about 1,700 tonnes, cat fishes by about 1,700 tonnes, ribbon fishes by about 1,300 tonnes and croakers by about 900 tonnes.

In 1984-'85 mechanised boats registered an increase of about 9,500 tonnes in landings compared to 30,700

tonnes of the previous year. Landings by trawlers which accounted for 89% of the mechanised landings in 1984-'85 showed an increase by about 9,200 tonnes. The number of operations of trawlers showed a marginal increase of 800 and the catch realised per operation by trawlers increased from 1,213 kg of 1983-'84 to 1,575 kg in 1984-'85. Catch per operation realised by gill netters increased from 450 kg of 1983-'84 to 538 kg in 1984-'85 and that of hooks and lines increased from 233 kg of 1983-'84 to 254 kg in 1984-'85. The catch realised per operation by 'dol' netters did not show appreciable difference in 1984-'85 from that of 1983-'84. Among the commercially important varieties, penaeid prawns increased by 5,400 tonnes and cephalopods by 2,800 tonnes.

Veraval

In Veraval the landings by the mechanised boats during 1983-'84 was estimated at about 40,100 tonnes. The landings by trawlers accounted for 95% of the landings and the remaining by gill netters. The catch per operation realised by trawlers was 1,059 kg and that by gill netters 59 kg. Croakers with 19% formed the major variety of fish followed by big-jawed jumper with 12% and cephalopods and ribbon fish 6% each.

The fish landings by mechanised crafts registered an increase of about 9,500 tonnes in 1984-'85 over the landings of 1983-'84. The landings by trawlers accounting for 91% showed an increase of about 7,700 tonnes and that by gill netters 2,100 tonnes. The number of operations by trawlers and gill netters in 1984-'85 showed an increase of about 1,500 and 8,500 respectively. The catch per operation realised by trawlers in 1984-'85 was 1,214 kg against 1,059 kg of 1983-'84 and that of gill netters was 156 kg against 59 kg of previous year. Landings of penaeid prawns and croakers registered an increase of about 1,700 and 1,800 tonnes respectively while the landings of big-jawed jumper showed a decrease of 2,100 tonnes.

